**Chethan**

Full Stack JAVA Developer

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8+ years of professional experience as a **full stack developer**, experienced in implementing and developing complex applications. Proficient in **JSP**, **Servlets**, **Struts**, **JSF**, and adept in utilizing **Java 8** features such as **Functional Interfaces**, **Multithreading**, Collection **API**, Exception Handling, **Time API**, and **Stream API**. Skilled in implementing **microservices** architecture through **RESTful APIs** using **Spring Boot** with **Spring MVC**.

**PROFESSIONAL SUMMARY:**

Extensively experienced in **J2EE** design patterns including **DAO**, **Service Locator**, **Value Object**, **Business Delegate Pattern**, **Front Controller Pattern**, **Singleton**, **MVC**, and **Session facade**. Experienced in integrating **ODM** frameworks like **Mongoose Connector** and **Cassandra Node Driver** to connect asynchronous environments. Strong expertise in developing **Dynamic** **Single Page Applications (SPAs)** using the **MEAN stack** (**Mongo, Express, Angular, Node**), with hands-on experience in **Spring IO** and **Spring Boot**. Proficient in front-end development using **jQuery**, **React JS**, **Handlebar JS**, and implementing **React JS** with **Redux** library and **Flux** pattern. Skilled in utilizing **Angular 2.0/4.0**, **React JS**, and **Ember JS** for dynamic user interfaces and architectural pattern **MVC**. Proficient in **Spring JDBC** for efficient data transfer to databases. Skilled in implementing frameworks like **Struts**, **Spring MVC**, and **AJAX**. Extensive experience with SQL databases including **MySQL**, **MS SQL** Server, **Oracle 11g**, as well as **NoSQL** databases such as **MongoDB**, **Apache Cassandra**, **Raven DB**, **Dynamo DB**, and **Couch DB**. Proficient in **Spring frameworks** (**CORE, AOP, DI, SECURITY, IOC**) and developing **RESTful** services with **JAX-RS** and **Spring Rest**. Implemented security using **OAuth 2.0** for **RESTful** web services. Strong experience in **JavaScript**, including **ES6** features, and front-end development using **HTML5** and **CSS3** for styling and view rendering. Proficient in UI testing with **Karma, Jasmine, and Protractor** for **Backbone JS** and **React JS**. Good understanding of **Microservices** architecture, **SOA**, and experience with **Spring Cloud-Netflix** OSS for microservices deployment and configuration using **Hystrix**, **Zuul**, and **Eureka**. Skilled in **PL/SQL** development with **JDBC**, **ODBC**, and **WebLogic server**, including **joins**, **clauses**, **stored procedures**, **triggers**, and **cursors**. Experienced in server-side application development using **Node JS** frameworks like **Express JS** and **Hapi JS**. Implemented **Elastic search** cluster **API** for cluster management and monitoring. Developed projects utilizing **SOAP** and **RESTful** web services and automated documentation using **Swagger, WSDL**, and **WADL**. Good knowledge of **Amazon Web Services** (**EC2, S3, Simple DB, Elastic Load Balancing, SQS, EBS, CloudFront**). Strong Knowledge on automated java-based integration testing and behavioral testing of the application using **Selenium (connects you to your browser)**, **Unit testing**, **Junit4**, **TestNg**, (organizes the tests) **Mockito**, (**power mock for mock**) and for rest testing **mockmvc** and **fluent API**, **mockers service** server for **spring rest template testing**.

**Technical Skills:**

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| --- | --- |
| **Programming Languages** | Java, C, C++, PL/SQL, JavaScript |
| **Web Technologies** | HTML5,CSS3,AJAX,JSON,Bootstrap,jQuery, Angular2.0/4.0,Angular6.0/8.0 React JS with Flux, Redux, Ember JS, Knockout JS, Back Bone JS, Handlebar JS, NodeJS, Express JS, Hapi JS |
| **J2EE Technologies & frameworks** | Servlets, EJB, JSP, JSF, JDBC, SOAP, WSDL, REST, XML, JAXP, JAXB, JPA, JMS, Spring3.x/4.x/5.x, Hibernate, Spring MVC, Spring Boot, Spring Data, Spring Batch, Spring cloud, Dump Analysis. |
| **Databases** | Oracle 8i/9i/10g/11i, DB2, SQL Server 2000/2005/2008, MYSQL, MongoDB, Raven DB, Cassandra  |
| **Application/Web Servers** | Oracle Web logic, IBM Web Sphere, JBoss, Glassfish, Apache Tomcat |
| **Messaging Services** | JMS, Active MQ, Rabbit MQ, IBM MQ, Apache Kafka |
| **Webservice Frameworks** | JAX-RS, JAX-WS, Axis, Jersey |
| **Software Methodologies** | Agile, Scrum, TDD, Waterfall |
| **Build & Configuration Tools** | Ant, Maven, Gradle, Jenkins, Bamboo Gulp, Grunt, Webpack, NPM, Bower |
| **Testing Tools** | Junit, TestNG, Mockito, Jasmine, Karma, Mocha, Chai, Spock, Protractor |
| **Version Control Tools** | GIT, SVN, CVS, Bitbucket, TFS |
| **Project Management Tools** | JIRA, Rally, Microsoft Project |
| **Cloud Technologies & DevOps Tools** | AWS, PCF, EC2, EBS, S3, Docker, ECS, EBS, EKS, SQS, RDS, S3, Glacier, Lambda, Kubernetes |
| **Operating System** | Windows, Linux, Unix, MA-OS 10.13.2 |
| **IDE’s** | Eclipse, Visual Studio, IntelliJ, Spring Tool Suite, Sublime Text, WinSCP, Putty |

**AREAS OF EXPERTISE:**

**Web Application Development, Software Development Life Cycle (Requirement, Analysis, Design, Development, Testing, Maintenance), Project Coordination, Requirements Management, Technology Integration, Technology Migration, Application Documentation, Test Driven Development, DevOps management.**

**PROFESSIONAL EXPERIENCE:**

**Client: Epsilon, Irving, TX Sep 2022 - Present**

**Role: Full Stack JAVA Developer**

**Description:**

As a Full Stack **Java** Developer with 8+ years of experience, I have a deep understanding of **Java**-based web application development, including front-end and back-end technologies. I possess a strong understanding of Java-based software development, including **core Java** programming, **Java Enterprise Edition** (Java EE), and **Spring Framework**. Extensively experienced with front-end and back-end web development using **Spring Boot**, **Reactive Forms**, **Angular 8.0**, and **Kubernetes cluster**.

**Responsibilities:**

* Implementation of the design wireframe using **Angular 8.0** and exposing backend services which runs on **Spring Boot**. Here we also have another layer that makes use of NodeJS mainly used for authentication, authorization, and session maintenance.
* Developed UI application initially using **Angular 6.0** and made use of customized components.
* Implemented the complete set up with configuration file changes from **Angular 6 to Angular 8.** Whilemigrating the project which involved converting angular components and updating router Modules.
* Wrote services with **Angular** **6** to store and retrieve user data from the **DB** for the application on devices with **HTTP** service.
* Implemented **point-to-point IBM** MQ for programmatical communication and later worked on enhanced implementation on **P/P IBM MQ** to **IBM MQ publisher/subscriber**.
* Developed key services for authorization and authentication in Node server, where we used LDAP. Later migrated the authentication from **LDAP** to **Ping** Access-**SSO** (Single Sign On) Application.
* Made use of **Reactive Forms** using **Angular 8.0** where most of the validation is done using component rather than using **template-driven** which provides in **HTML**.
* Involved in writing test cases using **jasmine-karma, Test Bed** and maintained a stable code coverage with maximum threshold.
* Mainly involved in deployment activities CI/CD deployment and familiar with **OSE (Open shift origin).** Also made changes in Jenkins Files as per the requirement of the pipeline.
* Implemented features like Actuator in **Spring boot** for monitoring and tracing my application. Developed controller classes, complex services, database integration and backend process.
* Implemented Java EE components using **Spring MVC**, **Spring IOC**, **Spring transactions** and **Spring security** modules.
* Implemented transaction management using **Spring AOP** and used **Spring Aspects** for implementing logging functionalities.
* Also created **YAMEL files** for using a swagger API within the UI.
* Worked on **Kubernetes cluster** as a part of deployment activity. Familiar with Open Shift commands mainly for deployment.
* Implemented Spring Validators, persistence layer, and service layer components using **Spring/Hibernate API** and **Spring/Hibernate** annotations. Extensively used **Hibernate QL**.
* Involved in **web services** design and development. Responsible for creating and consuming web services using **REST** and **XML**.
* Authenticating Users and to provide   the security to **RESTful** web services using **O-AUTH 2.0.**
* Involved in innovation of the current UI for **SASS/LESS** to make an implementation under mobile device access using **cross platform technologies** such as Ionic which helps in improving the business.
* Have experienced developing web applications using **Bootstrap, Code Mirror, Brackets and Ember.js.**
* Worked in integrating **JMS** with **SPRING BOOT** by providing an instance which is embedded with **Active MQ**.
* Implemented **Spring Cloud-Netflix ZUUL** to build micro services for communication.
* Extensively used **Spring IOC** configured **Application Context** files and performed database object mapping using **Hibernate** annotations.
* Created dynamic schema design through **NOSQL-CouchDB** by writing rich queries and achieved data in a collection to be distributed across multiple systems for horizontal scalability.
* **NODE PACKAGE MANAGER (NPM)** was used to list out the right versions of the packages and their dependencies for the project.
* Designed and developed the framework to consume web services hosted in **Amazon EC2 instances**.
* Used **Apache Kafka** in cluster as messaging system between APIs and microservices and worked on **Splunk** SPL (Search process language) queries, reports and logging using Log4j.
* Building cloud Microservices and implemented back-end using **Spring Boot**. And Authored application using **Spring Cloud services** (spring version of **Netflix OSS-Eureka** that helps in routing, **Circuit Breaker,** and **Ribbon** for client-side load balancing).
* Implemented Spring Circuit breaker pattern, integrated **Hystrix** dashboard to monitor spring micro services, writing server-side request handling and automated functional test cases to validate UI functionality using **Node.js**.
* Implemented a metrics collection mechanism for the server by utilizing **Apache Kafka** to stream server-side events.
* Configured **AWS EC2 instances**, domain mapping via **Route53**.
* Developed test cases for each component in different panels using Junit, reported and deployed using **Jenkins**.
* Designed, configured, and deployed **Amazon Web Services** (AWS) for a multitude of applications utilizing the AWS stack (Including EC2, S3), focusing on high-availability, fault tolerance, and auto-scaling.
* Involved in the creation of interface to manage user menu and Bulk update of Attributes using **Node.JS** and **jQuery**.
* Developed and configured **JMS** components in **WebLogic Application Server**.
* Used **Docker Container** to address every application across the hybrid cloud and Docker   for better collaboration and innovation.

**Environment:** JavaScript,  HTML5, CSS3-LESS, Spring Security, Rabbit MQ, Node JS, Express JS,Bootstrap4.0, Hibernate4.x,OIDC, Eclipse Java EE, Jenkins, Log4j, Redis, Mongo DB, Mongoose Connector, Oracle, JBoss, Kibana, Elastic search, Logstash, EBS, Elastic Load Balancer, Docker, Apache tomcat, Selenium, Spock, Karma, Jasmine, Mockito, Junit, mock MVC, Kubernetes, Dump Analysis, Netflix Zuul, Eureka, Swagger-OAuth 2.0, Maven3.0**.**

**Client: Verizon, Irving, TX Jan 2022 – Sep 2022**

**Role: Full Stack JAVA Developer**

**Description:**

Extensively experienced as a Java full stack developer in IT industry. Extensively experienced in software analysis, design, Development, Implementation and Testing of **object-oriented applications** and web-based enterprise applications using **Java/J2EE** and Developing and styling web pages using **CSS3**. I have experience with front-end and back-end web development using **Spring Boot**, **React JS**, and **Node.js.**

**Responsibilities:**

* Designed and developed **Micro Services** business components using **Spring Boot.**
* Used **MongoDB** internal tools like **Mongo Compass, Mongo Atlas Manager & Ops Manager, Cloud Manager** etc.
* Implemented MVVM architecture using Redux Architecture with **React JS**.
* Wrote Client-Side code using **React JS** and used **NPM** & gulp directories to generate the server environments used browser, flux to manage with targeted URL's and to monitor the application.
* Developed single page applications using **React** **Redux** architecture, **ES6**, **web pack** and **grunt**.
* Worked on Prototyping and Implementation using Java, **Node JS**, AWS with Slacker platform.
* Used JavaScript ES6 in **Node.js** runtime environment to build RESTful APIs and to import data.
* Developed various screens for the front end using **React JS** and used various predefined components from NPM and Redux.
* Developed common reusable component libraries (CRUD Scaffolding) to be reused in different projects throughout the company's IT team using GWT, **Spring Data**, JPA.
* Implemented the Project structure based on Spring MVC pattern using **Spring Boot** and persisted data to MongoDB using Spring Data.
* Experienced in implementing the **Node.js** server-side code along with the Express framework to interact with **MongoDB** to store and retrieve data by using the **Mongoose** package.
* Used **Node.js** and **Express.js** to develop the relevant back end RESTful API.
* Worked on **MongoDB** database concepts such as **locking**, **transactions**, **indexes**, **Shading**, **replication**, **schema design.**
* Implemented **OAUTH** **2.0** authentication protocol and provided **OAuth** **2.0** token implementation guidelines for enterprise web API security model.
* Extensive use of **Node.JS**, **Express JS**, and **Mongo DB** along with Mongoose to create server-side applications.
* Used **Webpack** for bundling our application which takes JavaScript application and bundling it all together with its dependencies.
* Automated testing using **Mocha** and **Chai**.
* Speeding up Existing Applications with a Cache services using **Redis Cache, Gem fire.**
* Created producers, consumer, and Zookeeper setup for oracle to **Kafka** replication.
* Involved in creating a reusable component using **React JS** for DOM manipulation.
* Closely worked with Application using **React JS** and Node.js libraries NPM, gulp directories to generate desired view and flux to root the URLs properly.
* Implemented storing the High-volume transaction data in NOSQL Databases using **Spring Data.**
* Automated the front-end workflow using **NPM.**
* Worked on **Docker** container implementation for the Enterprise build system.
* Implemented **AWS** solutions using E2C, S3, RDS, EBS, Elastic Load Balancer, Auto-scaling groups and used **AWS** **SDK** to connect with Amazon SQS for bulk email processing.
* Micro services have been built using spring boot, Netflix OSS, **Spring Cloud** and deploying to AWS Cloud.
* Developed Micro Services based API using **Spring Boot** and **Spring Data**.
* Worked with a team to develop and maintain an internal Log Delivery System, utilizing various Apache products, **Kafka**, and **Tomcat**.
* Created instances in **AWS** as well as migrated data to **AWS** from data Center using snowball and **AWS** migration service.
* Responsible for implementing UI mockups, integrating third party react libraries, and handling/creating **Redux** store data.
* Establishing Restful API'S using **NODE.JS,** and application backend implemented   as **NODE.JS** application server.
* Design and build Docker tools and integrations like **Docker** images and **Docker** Plugins.
* Worked on using **Rule Engines**, **Drools** with corresponding to validate the business User Roles.
* Design and build a large-scale global **Docker** Container-as-a-Service.
* Introduced and implemented **Webpack** infrastructure to modernize JavaScript practices by extending **ES6** through **babel** loaders.

**Environment:**Mongo DB, Express JS, Angular 2.0, React JS, Node JS, Spring Boot, Redux, ES6, Web Pack, Grunt, NPM, OAuth 2.0, Spring Data, Mocha, Chai, Kafka, Docker, Spring Cloud, AWS, Drools.

**Client: Sogeti, Dayton, OH Dec 2019 – Nov 2021**

**Role: Full Stack Java Developer**

**Description:**

Extensively experienced in developing **Web APIs** for web-based services. Proficient with **HTML5**, including semantic **HTML5** elements, **microformats**. Extensively experienced in developing front end UI using **JavaScript**, **PHP,** and **HTML**. Experienced in setting up **CI/CD** with **Jenkins** and experienced in storing and retrieving data from multiple databases like **Mongo DB**.

**Responsibilities:**

* Implemented light weight **WADL** (Web application description Language) for better understanding of **Rest** based web services and its configuration.
* Worked on Lambda Expressions, Functional interfaces Stream API's, Time API, and Improvements on Collection, Concurrency, and IO improvements by using **Java 8.**
* Developed and implemented **Restful Web APIs**, and exposes endpoints using **HTTP** methods like **GET, PUT, POST and DELETE**.
* Used **HTML5** wireframes with **CSS** provided by the design team. JS is used to make it dynamic.
* Provide 24x7 support to the application in pilot and **production** phases. Support included being on conference calls, identifying and fixing **bugs**, investigating reasons for specific application behavior.
* Developed **Servlets** for server-side transactions and made use of **AJAX** for server-side processing without refreshing JSP page.
* Used **JavaScript, HTML, JSP** pages for developing front end UI and wrote application level code to perform client-side validation.
* Experience in implementing **Mongo DB CRUD** (**C**reate **R**ead **U**pdate **D**elete) operations by using **Mongoose** library in Node-JS including **Angular JS.**
* Used **SOAPUI** to test for send and receive XML data and worked with **JMS Queues** for sending messages in point-to-point mode communication.
* Implemented multi-threaded synchronization processes, with **JMS queues** for consumption of Asynchronous requests.
* Written complex **SQL** queries, **Stored Procedures** and **Functions** in **PL/SQL** for manipulating the data.
* Extensive professional experience in Developing and Deploying enterprise applications on web/application servers such as **JBOSS EAP 5.1, Tomcat 5.x/4.x, IBM WebSphere 6.x/7.x, Web Logic under Windows OS**and**UNIX.**
* Extensively used **Jenkins** as Continuous Integration tools to deploy the **Spring Boot** with **Microservices** to Pivotal Cloud Foundry **(PCF)** using build pack**.**
* Built **Java Security Aplite** add security and authentication to my application.
* Deployed our application on **Pivotal Cloud Foundry (PCF)** which is used to reduce the development overhead by providing a ready to use platform.
* Implemented **AngularJS Controllers** to maintain each view data. Implemented **Angular service calls** using Angular Factory with Dependency Injection to prevent scope conflict commonly found with JavaScript.
* Involved in bug fixing during the System testing, Joint System testing and User acceptance testing. Deploying the applications and binding third party services like App Dynamics on **Pivotal Cloud Foundry (PCF).**
* Developed application using **Spring JPA, Angular 2.0** on the presentation layer, the business layer is built using **spring** and the persistent layer uses Hibernate.
* Migrated technology from **Angular 1.0** to **Angular 2.0** to use upgraded features such as Angular Components and Angular Routers as per the strategy requirement.
* Designed new classes and functionalities using various **JQUERY components** for CRM application for customer service.
* Used **Subversion** for configuration Management and **Jira** for task management and bug tracking.
* Configured **Bamboo** to handle application deployment on **Cloud (PCF)** and to integrate with **Git Hub** version control.
* Used **Maven** for compiling and building the code.
* Performed unit testing using **JUNIT** framework and tested DAO's and Business Services
* Used **AJAX** and **JavaScript** for Client-side validations.
* Used multithreading for writing the collector parser and distributor process, which was getting real-time data from Zacks API in format of **JSON,**using **multithreading**improved the performance by a lot. Moreover, using concurrency package of **collections** made it thread safe.
* Created Web User Interface (UI) using **HTML5, DHTML, table less XHTML, CSS3** and Java Script that follows W3C Web Standards and are browser compatible.
* Used **Message body Writer** for converting Java types streams.
* Experience in generating Reports and Dashboards on Dynatrace and Splunk.

**Environment:** Angular JS, HTML5, CSS3, AJAX, Bootstrap, JSON, XML, Active MQ, JMS, Hibernate, DB2, SOAP-AXIS2, Restful services, JAX-RS SOA, Eclipse Java EE IDE Neon.3, Git, Log4j, DB2, Maven, TestNg, WADL, PCF.

**Client: Clairvoyant India Pvt Ltd, Hyderabad, India Sep 2017 – Nov 2019**

**Role: Java Developer**

**Description:**

As a Java Developer with 4+ years of experience, I have a strong understanding of Java-based software development, including core **Java programming**, **Java Enterprise Edition (Java EE)**, and **Spring Framework**. I have experience with front-end web development using **Native JS** and **jQuery**.

**Responsibilities:**

* Build and maintain **SQL** scripts, indexes, and complex queries for data analysis and extraction.
* Worked with the **QA team** to solve the issues related to the development.
* **Java message queue** (JMS) is used for exchanging the information and messaging services.
* Developed and implemented the **MVC architectural** pattern using **Struts Framework** including JSP, Servlets and Action classes.
* Created many **Stored procedures** and scheduled jobs to support our applications for to create reports for customers.
* Created PL/SQL procedures, functions and written complex SQL queries for C2C resume builder.
* Database and Implementation skills with **ORM** frameworks Implementation skills with **ORM** frameworks like **Hibernate** and **MyBatis.**
* Designed and integrated the full-scale **Struts/Hibernate persistence** solution with the application architectures.
* Used **jQuery** to build accordion style content, drag and drop functionality, calendar, popup and modal windows.
* Used **Backbone JS** to utilize minimal set of data-structuring and user interface primitives for building a **MVC** workflow design.
* Used **BackboneJS** for creating responsive UI modules with hardcoded dependency of **Underscore JS** in combination with Handlebar JS for templating.
* Performed many DOM manipulations using **Native JS** and **jQuery** for loading and manipulating dynamic content on webpages.
* Developed **DAO** pattern to retrieve the data from database.
* Developed **SOAP web services** (JAX-WS) for sending and getting data from different applications **WSDL** generation and exposed the service at server-side.
* Used **Log4j** for logging errors, messages, and performance logs.
* Used **JavaScript** and **jQuery** for validating the input given to the user interface.
* **JUnit frameworks** were used for performing unit and integration testing by writing test cases.
* Extensively involved in **Unit testing** and coordinated with the testing team and fixing Bugs at various stages of the application development.
* For messaging, used **Message Driven Beans** for consumption of JMS.
* Involved in deploying the application. Worked on **MAVEN** to build the application.
* Involved in **system integration** and solved the production issues.
* Experience in installing, configuring, and deploying application on **Web Logic Server**.
* Deployed application on **Client Linux server.**
* Worked on **JSP, Servlets, Struts framework** and production support issues of the existing applications.
* **ANT** was used as a build tool. Also worked in an agile work environment.

**Environment**: Core Java, J2EE, JSP, HTML, MVC, Servlets, Struts, JMS, MDB, EJB3.1, JUnit, DAO, Web Logic Server, Ant, SOAP, JAX-WS, WSDL, Junit, SQL.

**Client: MosChip Technologies, India June 2015 – Aug 2017**

**Role: Java Developer**

**Description:**

As a Java Developer, I possess a deep understanding of Java-based software development, including core **Java programming**, **Java Enterprise Edition** (**Java EE**), **Spring Framework**, Creating and integrating **SOAP Web Services** using frameworks such as **Apache Axis** and **Spring Web Services**. Extensively experienced in **Agile** methodologies to ensure efficient and effective software development.

**Responsibilities:**

* Played key role in the design and development of application using J2EE, Struts, and spring technologies/frameworks using **Service Oriented Architecture (SOA).**
* Designed, coded, and tested key modules of the project using **java oops concepts**.
* Consumed third party web services APIs and Web Services using AJAX and jQuery.
* Implemented **SOAP Web Services** for Data Ordering information with external vendors.
* **JDBC** was used to make connection to **MYSQL** and retrieve necessary data from it.
* Significant experience in web development tools like **APTANA STUDIO**, Adobe Dreamweaver **CS3, CQ5, Spring Tool Suite, Eclipse**
* Found and solved problems within the system to make it more efficient.
* Developed intermediary methods to retrieve data being sent to and from an object.
* Strong Experience in database design using **PL/SQL** to write Stored Procedures, Functions Triggers, and strong experience in writing complex queries, using **SQL Server** and **MySQL.**
* Good knowledge in the configuration management and version control software like **SVN**.
* Used **SOAPUI** for testing web Services with different end points. Involved in implementing enterprise **SOA** application projects.
* Tested and deployed the application on **Tomcat Application Server**.
* Experienced in software development using **SDLC** Software development life cycle methodologies, **Object Oriented Technologies, UML**, **Agile** methodologies such as Extreme Programming XP, Scrum.
* Used **Log4J** for error tracking.
* Experienced in using Front End editors like **Dreamweaver, Sublime Text2 and Microsoft Expression Web**

**Environment:** Angular JS, HTML, CSS3, REST Services, Structs, SOA, JavaScript, jQuery, Git, Eclipse Java IDE.