**Ravali Nalati**

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**PROFESSIONAL SUMMARY**

* Over 8 years strong experience as a full stack developer with an ability to handle any part of the software development process efficiently.
* Developed various Typescript (ES6) objects, including Components, ngModules, Providers, Services, and classes using arrow functions and optional types.
* Experience designing and developing various Angular 8.0 Components (ngModules), Services (observable/promises), Directive, and Pipes.
* Worked on building Web applications and Dynamic Single Page Applications (SPA) using JavaScript MEAN stack: MongoDB, Angular JS, Express.js and Node.js
* Extensive experience in developing web applications using HTML5, XML, XHTML, DHTML, CSS, CSS3(Sass,Less), Bootstrap, JavaScript, DOM, jQuery, Ajax, JSON, and JSP.
* Good understanding of Server-side JavaScript structures like NodeJS, Hapi.JS, Express.JS.
* A good amount of hands-on experience developing server-side JavaScript frameworks using Node JS (Hapi JS, Express JS) to build event-driven, non-blocking i/o model web applications.
* Good knowledge of Angular 8.0 directives to create reusable elements and attributes, along with easy-to-test and maintain client-side interactivity in web applications.
* Expertise in using JavaScript build tools and task runners like Webpack for React and Angular 8.0, Grunt, Gulp for Angular, Browserify for packaging NodeJS modules for browsers.
* Experience developing applications using MVC and MVVM client-side JavaScript frameworks such as Angular 8.0, AngularJS to create dynamic web applications
* Experience in testing with JUnit Framework using Mockito and EasyMock, Spring Junit Runner, JMeter. Worked on testing JavaScript structures utilizing Mocha and Chai, Jasmine, and Karma.
* Experience writing SQL queries in PL/SQL, Triggers, and Stored Procedures in Relational Database management systems like Oracle, MS SQL, MySQL, and DB2.
* Experience in database design and development of PL/SQL stored procedures and packages in relational databases like Oracle 9i / 10g / 11g, SQL Server 2005/2008, DB2, MySQL, and good hands-on experience in implementing, designing, and developing NoSQL Databases like MongoDB.
* Proven experience with Application Servers like Oracle/BEA WebLogic, JBoss, and Tomcat.
* Good Knowledge in Amazon Web Services (Amazon EC2, Amazon S3, Amazon SimpleDB, Amazon Elastic Load Balancing, Amazon SQS, Amazon EBS, and Amazon CloudFront).
* Extensive AWS Experience including AWS Services such as EC2, VPC (NAT, VPC Peering and VPN), IAM (Identity and Access Management), Elastic Beanstalk, Lambda, S3, CloudFront, Glacier, SQS, SNS, RDS, DynamoDB, Route53, CloudWatch, CloudTrail, CloudFormation, Security Groups, etc.
* Handled operations and maintenance support for AWS cloud resources, including launching, maintaining, and troubleshooting EC2 instances, S3 buckets, Auto Scaling, DynamoDB, AWS IAM, and Elastic Load Balancers (ELB) and Relational Database Services (RDS). Also created snapshots for data to store in AWS S3.
* Expertise in developing SOA (Service Oriented Architectures) and Microservice architectures using J2EE web services based on Restful (JAX-RS), SOAP(JAX\_WS), JAX-RPC, and JAXR (Java API for XML Registries) using frameworks like Apache CXF, Jersey, Apache Axis.

**EDUCATION**

* **Bachelors in computer engineering** from JNTU Engineering College, Hyderabad, India.

**Dish Wireless, TX, USA Feb 2023 – Present**

**Role: IAPI Developer**

**Responsibilities:**

* Collaborating with internal technical teams to identify and develop platform elements required to support key wireless product features in a timely and efficient manner.
* Working closely with other teams to design, develop, and deliver software solutions for company initiatives by leveraging your knowledge of Java, J2EE, and design patterns.
* Implementing microservices to facilitate application integration within and across domains to ensure efficient communication between different components of the application.
* Collaborating with DevOps to follow CI/CD pipeline practices and ensure the quality and security of the code by incorporating security practices in the software development process.
* Enabling the implementation of cloud-based application deployment to ensure reliability, resiliency, and observability of the application.
* Developing and maintaining core platform services using AWS, Kubernetes, Docker, Helm, and Lambda by keeping yourself up to date with the latest technologies and industry trends.
* Working independently with minimal supervision and mentoring junior software engineers to ensure the timely delivery of high-quality software while following best practices.
* Contributing to the evolution of the current engineering strategy and development process by proposing innovative ideas and new technologies that can improve the development process and enhance the overall quality of the software product.
* Designed, Developed, Tested, and deployed application components following an agile environment
* Worked extensively with API Management product of APIGEE Edge in consuming the API's in implementing customer use cases.
* APIGEE is used for the creation, deployment, debug & maintenance of all clients facing APIs.
* Implemented Security mechanism (AUTH 2.0) of the APIs using APIGEE Edge platform.
* Created design documents for the API integration architecture.
* Expertise in documenting RESTFUL AP| using Swagger Ul and Ignite Service Design Platform.
* Designed the whole process of end - to -end process of API development. Created the solution for automating the process.
* Worked with different teams such as the Ul (POS- Point of Sale), TIBCO teams & back-end teams to integrate various APIs
* Configured and maintained Jenkins to implement the Continuous Integration process and integrated the tool with Maven to schedule the builds
* Supported applications both in Production and Development environments.
* Implemented Splunk logging using Message logging policies.
* Setup API specifications and communicate with client partners for API consumptions.
* Hands on experience working with version control tools such GitHub and Bit bucket.
* Supporting QAT and Production Testing.
* Guiding the offshore team members and help them in resolving technical issues.

**Environment:** JDK 1.7, JSP, Struts, Tiles, Spring Boot, Hibernate, WebLogic, JMS, TOAD, CXF SOAP Web Services, JavaScript, AJAX, JSON, Maven, SVN, Windows, Linux, XML, Shell Script, AWS, Apache, SQL, Microservices, query, HTML, Jenkins.

**Credit Acceptance, NY, USA Aug 2021 – Jan 2023**

**Role: Full Stack Developer**

**Responsibilities:**

* The backend used the spring framework to validate and process requests, call required business services and return dynamic views to clients.
* JavaScript in conjunction with HTML5, and CSS3 standards, with a front-end UI team.
* Build Spring Boot Microservices for the delivery of software products across the enterprise.
* Implemented CI/CD with Jenkins, AWS: CodeDeploy, Ops Works, and Packer for the deployment of Java Applications.
* Developed user interface using JSP & JSP Tag libraries to simplify the complexities of the application.
* Effective use of Hibernate (ORM tool) in the persistence layer to create DAOs.
* Used React JS to turn the application into Single Page Application. Implemented the Drag and Drop functionality using React-Draggable.
* Configured and tested the application with database MySQL and involved in the development of SQL backend implementation
* Used Angular 4 framework for building web apps and is highly efficient in integrating with Restful services.
* Developed Spring Boot application with MicroServices and deployed it into AWS using EC2 instances.
* Deployed projects in a windows environment.
* Writing JSP, Action Classes, Service classes, and DAO using Hibernate.
* Designed the user experience using UI Libraries including ReactJS, and JavaScript.
* Maintain and modify programs; make approved changes by amending flow charts, develop detailed programming logic, and coding changes by using Spring Boot on the server-side and Angular with typescript on client-side
* Used GIT and Jenkins for importing, rebasing, and delivering the application to the source control.
* Used Jenkins for the application deployment.
* Implemented Microservice architecture using Spring boot and Spring REST to create REST endpoints and integrated Swagger to get dynamic documentation.
* Deployed Docker contained Spring REST services into AWS EC2 container service using AWS admin console and used lambda to run applications in AWS console.
* Worked on React JS Virtual Dom and React views, rendering using components that contain additional components called custom HTML tags.
* Perform execution of functional test plan using Junit and Karma test cases, validate test results, and prepare documentation and data for analysis.
* Microservices have been built using Spring Boot, and Spring Security and deployed to the AWS cloud.
* Comprehensive experience in using Node.js and Spring Boot implementing RESTful web service.
* Implemented authentication to the application by using Ping Federate with JWT.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and Spring Boot.
* Used AWS SDK for connection to Amazon S3 buckets as it is used as the object storage service to store and retrieve the media files related to the application.
* Used React JS for templating for faster compilation and developing reusable components.
* As part of the requirement, designed and developed Representational state transfer (REST) based services and Simple Object Access Protocol (SOAP) based services.
* Using Angular 4 factory and services for dependency injection.
* Microservices have been built using Spring Boot, and Spring Security and deployed to the AWS cloud.
* Developed code in Eclipse IDE and built-in Maven and configured the project on Web Sphere.
* Developed strategy for Integrating internal security model with Spring Security and Spring Boot for authorization.
* Responsible for developing the UI pages using HTML, Angular JS, JavaScript, CSS, jQuery, and JSON.
* Developed the application using Spring MVC and Spring JDBC using XML configuration and annotation.
* Used J2EE design patterns Data Access Object (DAO).
* Used Amazon Cloud Watch to monitor AWS services and Amazon Cloud Watch logs to monitor applications.
* Developed UNIT test cases using JUNIT.
* Participate in scrum meetings and coordinate with Business Analysts to understand the business needs and implement the same into a functional design.

**Environment:** Java, J2EE, SOA, Spring, Web Services, CXF, XML, XSD, Shell Script, JIRA, UML, Spring Boot, HTML, JavaScript, Eclipse, jQuery, AJAX, Node.JS, Hudson, Maven, Jenkins, Microservices, Restful, SOAP, Oracle, PL/SQL, Apache, XPath, XSLT, SOAP UI, JUnit, SVN, Windows, Unix, AWS.

**AT&T, Dallas, USA Sep 2019 – Jul 2021**

**Role: Full Stack Developer**

**Responsibilities:**

* Designed and developed RESTFUL web services using Spring Boot and Jersey framework.
* Used Spring Data JPA as the ORM framework to connect with MYSQL database.
* Utilized create-react-app to launch product to stay update with the most current Webpack and babel build configurations.
* Used Swagger specification for documenting REST API's which exposes description of a RESTFUL web services to different clients.
* Used GIT for version control and Jenkins for Continuous Integration and Continuous Deployment (CI/CD).
* Developed Web pages from scratch using HTML5, CSS 3(using SASS) and JavaScript.
* Used Angular 2 component router for navigation. Worked with Angular 2 directives, components, pipes, and injectable.
* Programmed in Angular 2 to upload (post) files/images to the AWS S3 from the Front-end by installing NPM package of AWS-SDK.
* Created Typescript reusable components and services to consume REST API's using Component-based architecture provided by Angular 2.
* Involved in the development of services with Angular 2 injectable property, as to make the service available for dependency injection when creating components.
* Developed various single page applications (SPA) using REACT JS.
* Involved in responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using React.JS.
* Closely worked with Application using React.JS and Node.js libraries NPM, gulp directories to generate desired view.
* Involved in using Redux library and NPM (Node Package Manager) and used various screens for the front end using React.js.
* Used Postman tool to test the API workflow tested on the JSON files which are generated by the Node.JS with Express.JS.
* Performed Verification and validation process for the code written by making use of Jasmine and Karma JavaScript testing framework by testing across various scenarios of the Angular 2 applications.
* Worked with the Node package manager (NPM) along with Gulp.
* Worked with SASS to build better and optimized Style sheets.
* Worked with ZUUL API Gateway for Authentication and Hystrix Circuit Breaker for fault tolerance.
* Used Node JS to run Angular 2 on server with mock JSON data and completed the UI development independent of server.
* Wrote services with Angular 2 to store and retrieve user data from the Mongo DB for the application on devices with HTTP service.
* Developed application from scratch including Mongo DB server setup and Express.js server development. Used Mongoose API to access the Mongo DB from Node JS and used Angular CLI and NPM for scaffolding the Angular 2 application.
* Authenticating Users and to provide the security to RESTful web services using OAUTH 2.0.
* Used JIRA as the bug tracking system to track and maintain the history of bugs/issues on everyday basis.

**Environment:** Angular 2, HTML5, CSS 3, JavaScript, AWS S3, NPM, React JS, Redux, Gulp, Express.js, RESTful Web Services, Webpack, Babel, Jasmine, Karma, Spring Boot, Jersey, Micro Services, Rest Services, AWS, Node JS, Cassandra, GitHub, JIRA, Jenkins, Swagger, Netflix OSS Eureka, ribbon, Zuul API gateway, Hystrix circuit breaker, Docker.

**Terralogic, Bangalore, India May 2016 – Apr 2019**

**Role: Full Stack Developer**

**Responsibilities:**

* Developed UI application initially using Angular 11.0 and made use of customized components.
* 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.
* 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.
* Wrote services with Angular 11 to store and retrieve user data from the DB for the application on devices with HTTP service.
* Made use of Reactive Forms using Angular 11.0 where most of the validation is done using components rather than using template-driven which is provided in HTML.
* Involved in writing test cases using jasmine-karma, Test Bed and maintained 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.
* Worked on Kubernetes cluster as a part of deployment activity. Familiar with OpenShift commands mainly for deployment.
* Implemented features like Actuator in Spring boot for monitoring and tracing my application. Developed controller classes, complex services, database integration and backend process.
* Also created YAMEL files for using a swagger API within the UI.
* 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.
* Implemented the complete set up with configuration file changes from Angular 8 to Angular 11. While migrating the project which involved converting angular components and updating router
* Authenticating Users and to provide   the security to RESTful web services using O-AUTH 2.0.
* Extensively used Spring IOC configured Application Context files and performed database object mapping using Hibernate annotations.
* Implemented a metrics collection mechanism for the server by utilizing Apache Kafka to stream server-side events.
* 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.
* Used Docker Container to address every application across the hybrid cloud and Docker   for better collaboration and innovation.
* 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.
* Developed test cases for each component in different frameworks using Junit4/5t, using Mockito and Power Mock and reported using SonarScan integrated with Jenkins.

**Environment:** JavaScript, HTML5, CSS3-LESS, Spring Security, Rabbit MQ, Node JS, Express JS, Bootstrap4.0, Hibernate4.x, OIDC, Eclipse Java EE, Jenkins, Log4j, Redis, MongoDB, 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.

**Analogue IT Solutions Ltd, Hyderabad, India Oct 2014 – Mar 2016**

**Role: Associate Software Engineer**

**Responsibilities:**

* Developed application on Spring framework by utilizing its features like Spring Dependency injection, Spring Beans, Spring Security, Spring JPA, Spring Web flow using MVC
* Wrote SQL Queries, PL/SQL stored procedures, triggers, packages on Oracle database.
* Configured Hibernate’s second-level cache using EHcache to reduce the number of hits to the configuration table data.
* Performed AngularJS end-to-end testing using the Protractor framework.
* Developed an automated application using JMS for messaging and JNDI to interact with the server.
* Worked on Spring Framework handling major concepts like Dependency
* Designed the user interface screen and its functionality as per user requirements and developed RESTful Web services in Mule ESB based on Service Oriented Architecture (SOA).
* HibernateORM framework is used to interact with databases through Hibernate query language (HQL). And also worked with the Hibernate EH Cache technique for the critical objects in the application.
* Integration testing methods and Behavioral driven testing in the application are implemented using Selenium and Cucumber, respectively.
* Used backbone.js as Model, Widgets as Controller, and jQuery template as view.
* Used Backbone JS to utilize its rendering functions and create controllers to handle events triggered by clients and send requests to the server.
* Injections, Spring IoC Containers, Transaction Management Declaratives (annotations based).
* Implemented ODBC, which is used for connecting to the Oracle database.

**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, Jenkins, Git, Log4j, DB2, Grunt, Jasmine, Jboss, Jenkins, OpenShift, Drools, Maven, TestNg, Protractor, Grunt, Selenium, Cucumber, WADL.

**TECHNICAL SKILLS**

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| **Programming Languages** | C, Java, JavaScript, TypeScript, PHP, PL/SQL, UNIX Shell Script. |
| **Java/J2EE Technologies** | Servlets, Spring, JPA, JTA, JDBC, JSP, JSTL, RMI, Applets. |
| **Frameworks** | Struts 2.5, Hibernate 5.x, Spring 5.0, Spring Batch, Spring Security, Spring AOP, Spring Core, Spring IOC, JSF. |
| **Web Technologies** | HTML, HTML5, CSS/CSS3, AJAX, JQuery, Bootstrap, XML, Grunt, Gulp, JSON. |
| **Database** | SQL Server, MySQL, Oracle, MongoDB, DB2 |
| **JavaScript Frameworks** | AngularJS, Angular 6, JQuery, React.js, Node.js, Backbone.js, Hapi.js, Handlebars.js. |
| **Web Services** | XSD, WSDL, Apache Axis, SOAP, Restful, GraphQL, JAX RS, JAX WS |
| **Messaging** | JMS (Java Message Service), IBM MQ, Apache Active MQ, Apache Kafka. |
| **Web Application Servers** | Oracle WebLogic 10.x/9.x, IBM WebSphere 8.x/6.x, Apache Tomcat 8.0/7.x/6.x. |
| **Methodologies** | Agile, Waterfall, OOAD, SCRUM. |
| **Testing Tools** | JUnit, Mockito, Jasmine, Karma, Mocha, Chai, Selenium. |
| **Version Control** | SVN, CVS, GIT, and Clear Case |
| **Build Tools** | Maven, Gradle, ANT |
| **IDEs** | Eclipse IDE, RAD 6.0/7.0, Intellij IDEA, Spring Tool Suite (STS), VSCode. |
| **Operating Systems** | Windows, Linux, and UNIX |
| **Software** | Visual Studio, Rational Rose, and Microsoft Office |