**Krishna Chaitanya Vallapuri**

**H1B**

**Sr. Java Developer**

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**Professional Summary**

* Having **6.5 years** of experience in design and developing reusable, scalable and high-performing enterprise applications using **Java/J2EE,** Spring, **Hibernate** and **RESTful Web Services** technologies
* Extensive experience using framework APIs like **Spring, Spring Boot, Struts and Hibernate**.
* Proficient in building Web User Interface (UI) using **HTML5, XHTML, JavaScript, DOM, jQuery, Ajax**, **AngularJS**.
* Expertise in Spring using **IOC, AOP, MVC, Rest Template, JMS Template, ORM Template, JDBC Template** and **Spring Security.**
* Expertise in **J2EE** Architecture, Java and **J2EE Core** Design Patterns, Object Oriented Analysis and Design/ Development Methodologies (OOAD
* Experience on creating **Microservices** with **Spring Cloud, Ribbon, Spring Boot, Apache Camel** and **REST web services**
* Experienced on **Agile Methodology**
* Expertise in using **SOAP** and **RESTFUL** for implementing web services.
* Good experience in databases such as **SQL Server** 2005/2008, **Oracle, DB2, NoSQL and MySQL**.
* Hands-on experience working with **Continuous Integration (CI)** build-automation tools such as **Maven**, **Jenkins** and **Apache Ant.**
* Skilled in WebLogic Application server, **IBM WebSphere** Application server and **IBM WebSphere** Portals
* Good knowledge in **Angular JS,** built application service layer using **AngularJS** Dependency Injection.
* Used Web Services to exchange information in a **Microservices** platform.
* Created forms and web pages using **HTML5** and **CSS3**
* Created **Restful Web services** with **Node JS**.
* Experienced in development using **Spring Boot, Spring Batch, Micro services**
* Extensive experience in Software Configuration Management using Version Control Software such as **SVN,** **CVS** and **GIT.**
* Experience in creating **Unified Modeling Language (UML**) diagrams such as Use Case Diagrams, Activity Diagrams, Sequence Diagrams, and Class Diagrams, Deployment Diagrams using Rational Rose.
* Extensive knowledge of **XML**-based standards and protocols (such as **WSDL** and **SOAP**), Service Oriented Architecture (SOA), development of **XSD** schemas and implementing both **SOAP** and **REST** web services.
* Experience in using **ANT** for build automation.
* Good Exposure to middleware tool like **JMS** and configured Connection Factories and Topics/Queues.
* Expertise in Unit testing through JUnit framework and implemented Test Driven Development.
* Expertise in using **Apache-Maven** for building applications for its dependency, jars and repository management.
* Extensive experience in working on IDEs like Eclipse, My Eclipse, Visio and **TOAD.**
* Proficiency in deploying applications and configuring on **J2EE** Application servers like **Web Logic 11g**, Jboss 7 and **Apache Tomcat** Windows environments.
* Continuous integration using **Hudson, Jenkins and SVN.**

**Technical Skills:**

**Programming Languages:** C, C++, C#, Java, SQL, Python, PL/SQL

**J2EE Technologies:** J2EE, Servlets, JSP, EJB, JDBC, MVC Architecture, Java Beans, JNDI, RMI, JMS

**J2EE Frameworks:** Struts, Hibernate, Spring Framework, JUnit

**XML & Scripting Languages:** JavaScript, HTML/DHTML, Ajax, XML, XSP, jQuery, CSS, Angular JS, PHP, React JS, Node Js

**Web services:** SOA Technologies- ESB, SOAP, REST, WSDL, UDDI, XSD, JAX-WS, XML, Axis2.

**Design/Analysis:** Design patterns, UML, OO Methodologies, AOP, TDD

**Database:** SQL server, Oracle, MySQL and DB2

**Web/Application Servers:** Apache Tomcat, JBoss, WebLogic, WebSphere

**Java IDE’s:** Eclipse, Intellij IDEA 2016.3, RAD

**Operating Systems:** UNIX, Red Hat Linux, Windows

**Software Tools:** Oracle JDeveloper, Oracle SQL Developer, ANT, WASAD, Junit, DTD, XML schema, SOAP UI, Postman, Jenkins

**Configuration and Build Tools:** GIT, MAVEN, Gradle, ANT, SVN and Hudson

**Education:**

* **Bachelor’s in Computer Science Engineering, India – 2013**
* **Master’s in Computers, USA - 2018**

**Professional Experience:**

**Sr. Java Developer**

**BCBS, Chicago, IL**

**Nov 20 - Present**

**Responsibilities:**

* Worked on an **Agile** (Scrum) Development Team to deliver regular updates to business team and project managers.
* Representing the **MSIR** team through all phases of the development life cycle in resolving customer issues and support application new features and enhancement to existing functionalities.
* Strong Knowledge on **Microsoft azure** **cloud services**, storage accounts and **virtual networks**.
* Involved in development of each module which is extensively used by application. Used **MongoDB** to interact with the database.
* Istio supports both service-to-service and end-user-to-service authentication.
* Working closely with business on understanding the business requirements and provide solution with technologies using open source **Selenium, rest Assured**
* Develop **CI/CD** system with **JENKINS** on **KUBERNETES** container environment, utilizing **KUBERNETES** and **DOCKER** for the runtime environment for the **CI/CD** system to build and test and deploy.
* Participate in **IPM** and Three Amigo sessions to understand the requirements and to come up with estimates.
* Used **HTML5, CSS3, JavaScript, JSP, JQUERY, Angular4, AJAX** and **Bootstrap** in front end.
* Implement the technical transformation for the front-end from **Angular.JS** to **Angular4**. Developed single page applications using **Angular.JS** and **Angular4** Routers.
* Worked on **Microservices** environment connects with Restful **Web services**
* Developed Web Services for data transfer between **Microservices** using **Restful Web** Services
* Developed **REST** services to talk with adapter classes and exposed them to the **angular JS front-end**.
* Worked on **Restful** web services which enforced a stateless client server and support **JSON** few changes from **SOAP** to **RESTFUL** Technology Involved in detailed analysis based on the requirement documents
* Implemented Java Web services based on **SOA** architecture with **SOAP** and **WSDL** also Implemented **SOAP** messages for information exchange for **Web services.**
* Performed form validations using reactive forms from **Angular4 framework**.
* Experience in using **NodeJS** and Express for making calls (**GET, POST, PUT, DELETE**) for triggering or fetching data from **Restful API's** provided by the backend team.
* Container management using **DOCKER** by writing **DOCKER** files and set up the automated build on **DOCKER** **HUB** and installed and configured **KUBERNETES**
* Used **NodeJS** to sign up for lightweight web server to hos application locally. Used **NPM** to manage dependencies like adding dependencies, removing some and updating package **json.**
* Using spring's **MVC** framework to better control the presentation, business and navigational aspects of the applications.
* Used **Spring Boot** which is radically faster in building **cloud** **Microservices** and develop spring-based application with very less configuration.
* Migration of the legacy **SQL Server** on premise to the **Azure SQL DB**
* Implementing Spring **MVC** with Spring Boot which includes writing Controller classes for handling requests, processing form submissions and performed validations.
* Created automated script for **REST-API** testing using **Rest** Assured framework.
* Expertise in developing scripts to run load test using **Jmeter** via command line and concord pipeline.
* Worked on performing load tests for all **WTMS** modules using **HP ALM** and **Jmeter,** Automaton tools.
* Hands on experience to monitoring the logs in various (cert & prod) boxes.
* Created detailed design documents using **UML** (Use case, Class, Sequence, and Component diagrams
* Implementing Infrastructure as a Code in the **DevOps** process including creating **ARM** templates, **JSON** resource templates, **Azure CLI** and **Powershell scripts**
* Involved in designing and implementation of automation frameworks using **Page Object Model (POM),** Data driven framework, Keyword driven framework.
* Implemented **CI/CD** through **Looper** with **DevTest**, Protractor and **JMeter**.
* Analysis of **RESTfu**l and **SOAP** based web services and their **XML** and **JSON** responses using Fiddler, Postman, etc.

**Environment:** Java 8, Spring 3.5, Hibernate 4.2, Eclipse IDE, Spring batch, Spring Boot, JPA, Java Scripts, Agile, AngularJS, HTML 4.0, CSS, JMS, JAXP, Oracle 11g, WebSphere Application Server, Eclipse/RAD 8.0, Oracle 11g, SOAP, RUP, Maven, log4j, Junit, XML, Web Services, GIT.

**Java Developer**

**Freddie mac, Mclean, Virginia**

**Jan 19 - Oct 20**

**Description:** ILS (INTEGRATED LOAN SERVICES) is a **Hub/IR** functionality which mainly focus on building the functionality required to retire **MSIR** (MULTISUITEINVESTORREPORTING) and integration with Goldfield’s and Sets the foundation to receive payment updates in bulk for all Pre-securitized mortgage products using **CREFC** or legacy mapping, access to multiple portfolios using one login, view portfolio summary and view loan details and will be focusing on receiving payment updates in bulk for all bonds. **ILS** mainly focus on payment processing for mortgages for loans and bonds and also many functionalities which are displayed to Servicers. Hub functionality is a user interface for **ILS** and reusable services like choosing dates, notifications, etc. Also Core Functionality involves independent user experience for internal/external and enabling bulk upload, pushing expected values to customers and self-serve dispute resolution workflow and also connection to operational data hub

**Responsibilities:**

* Build new **Microservices** and established the **Jenkins** pipelines to support the application
* Worked from scratch to build new Service like **NOTIFICATION GENERATOR, SCHEDULER** AND **ENRICHER** for adding **NOTIFICATIONS** to the customers for the existing pacDoc.
* Build and consumed new **API’**s using restful **web services**
* Experience in developing web services like (**SOAP and REST**) and consuming web services with **Python** and **Scala.**
* Responsible for build and deployment automation using **VM Ware ESX, DOCKER, Kubernetes** containers and chef
* Worked on  **Microservices** using **Vert.**x Or **spring Boot Vert.x** as a Micro services container
* Participated in development of a well responsive **Single Page Application** (**SPA**) using AngularJS framework, **JavaScript** and **jQuery** in conjunction **with HTML, CSS3** standards, with front-end UI team.
* Extensive uses of Angular **JS** directives to get **JSON** data using **AJAX** from **RESTful API** and modify **DOM**.
* Experience in developing applications using **AngularJS, Bootstrap** like Grids, Toolbars, Panels, Combo-Box and Button etc.
* Developed Single page application and structured the **JavaScript** code using **AngularJS**.
* Designed UI pages using **JSP, HTML, Angular JS, Node JS, Java Script, CSS, AJAX, JQUERY, JSP, JSON and** Tag libraries.
* Followed Single Page Application **(SPA)** Pattern and used **AngularJS MVC** to build a cross-browser complaint application.
* Actively used **Apache MQ** and **IBM WMQ** for the communications between the different micro services
* Intensive used **SPRINGBOOT** architecture in development process using **JAVA 8 Used NOSQL** database like **COUCHBASE** for query retrieval and storing data.
* Using **Apache Camel** with **ActiveMQ** for integrating the application with **Microservices** for routing workflow files.
* Designed and developed database objects like **Stored Procedures, Functions, Triggers,** **PL/SQL** packages and Cursors for **MySQL.**
* Defined **XML** documents for input and output sources of Web Services. Created schema documents for **XML** validation and developed **XML** schemas.
* Worked under **agile** methodology
* Developed Use case diagrams, Object diagrams, Class diagrams, and Sequence diagrams using **UML.**
* Good knowledge of Spring & **IOC, AOP, Spring MVC** and springs integration with **Hibernate and Struts** technologies.
* User interface coding and styling using **Angular 2,** **CSS** and **Bootstrap** template.
* Proficient in developing **SOAP** and **RESTful** **Web Services.**
* Build **RESTful** Web services using **JAX-RS API.**
* Designed and developed **RESTful** service interface using Spring **MVC** to the underlying customer event **API.**
* Expert knowledge of **Spring Frameworks, Spring Boot, Spring Data, Node Js and Hibernate**
* Experienced in **Spring framework, spring boot, Web service** (**REST)** frameworks, web service security, **Docker,** **IBM MQ, Maven**, **GIT, Jenkins, XML, JSON**, Messaging framework.
* Wrote Ansible Playbooks with **Python SSH** as the Wrapper to Manage Configurations of **AWS Nodes** and Test Playbooks on **AWS** instances using **Python.**
* Implemented **Microservices** based **Cloud Architecture** on **AWS Platform** and **Cloud Foundry.**
* Experience with **Git, Maven**, **AWS** and **INtelliJ IDEA** preferred
* Strong experience in **Spring Boot; Java (Spring**)
* Developed test cases for **Angular JS** using **karma and grunt.**
* Used Java Messaging Services **(JMS)** for the reliable and asynchronous exchange of important information such as payment status report.
* Used **JUnit** for unit testing of the application and **log4j** for logging.
* Worked under fast moving environment having bi weekly sprint process and deployment pattern used to deploy using **CI / CD** tools such as maven, **Jenkins** and **griddle.**
* Supported and Monitored the **VIBE PRODUCTION DATA.**
* Extensively worked on monitoring **PRODUCTION LOGS** using **REDHAT JBOSS/JFUSE** and also used **LOGINSIGHTS** to track the responses and monitor them
* Used software configuration management using version control such as **GIT**.
* Migrated to **TFS\_GIT** and upgraded to **Azure Devops** application.
* Extensively involved in **RECYCLYING PODS** according to the **HIGH/LOW TRACKING RESPONSES** during **PEAK**

**Environment:** Java 8, Spring 3.5, Hibernate 4.2, Eclipse IDE, Spring batch, Spring Boot, JPA, Java Scripts, Agile, AngularJS, HTML 4.0, CSS, JMS, JAXP, Oracle 11g, WebSphere Application Server, Eclipse/RAD 8.0, Oracle 11g, SOAP, RUP, Maven, log4j, Junit, XML, Web Services, Splunk, GIT.

**Java Developer**

**Mar 18 - Dec 18**

**Barclays, Whippany, NJ**

**Responsibilities:**

* Responsible for understanding user requirements, designing and developing the application.
* Involved in analysis, design, and developing middleware using **Servlets**, **Java Beans, Hibernate**, **springs** and doing enhancements and issues resolutions.
* Built **Spring Boot microservices** for the delivery of software products across the enterprise
* Used **Microservice** with **Spring Boot** interacting through a combination of **REST** and **Apache Kafka** message brokers.
* Implemented Common **API** Gateway for the **microservices** integrations using **Spring API Gateway** and **Netflix Eureka Framework.**
* Configured and Maintained **AWS ECS** Repository for Deploying Docker Image by Creating a task definition, scheduling tasks and configuring clusters in the **AWS ECS** Console.
* Implemented Spring framework such as Dependency Injection**, IOC, Spring Security, Spring AOP**, and Spring **integration.**
* Developed applications using latest technologies like **Spring 2.0, Hibernate3.2** (using annotations), and **REST** based **Webservices** (axis2.0, JAX WS 2.0), **XML API** and tools.
* Participated in development of a well responsive single page application using **JavaScript**, and **jQuery** in conjunction with **HTML5, CSS3** standards, with front-end UI team
* Implemented server-side components using **Node Js** and MongoDB for data management.
* Written Controller and **DAO** classes to interact with **hibernate.**
* Data Operations are performed using **Spring** wiring with **Hibernat**e and Implemented **Hibernate** Template and criteria **API** for querying database.
* Developed components to fetch the data from the back end using **AJAX and JQuery**
* Consumed and built web services in **SOAP, REST** supporting both **XML** and **JSON** by taking advantage of Spring technologies.
* New library development with micro services architecture using **Rest APIs, Spring Boot** and Pivotal Cloud Foundry (**PCF)**
* Implemented Web services using **SOAP** and **WSDL** which communicates through different modules.
* Also used **Ajax** framework for server communication and seamless user experience.
* Used IAM to manage and create **AWS** users and groups and used permissions to allow and deny access to **AWS resources**.
* Implemented database transactions using **Hibernate ORM** framework.
* Implemented **Log4j** to maintain system log which is developed in My Eclipse Blue for fast development.
* Worked on **Agile Methodology** (Scrum) to meet timelines with quality deliverables.
* Used the **Agile Scrum** model to develop the applications using **JIRA**
* Test plans and **Unit Testing** using **Junit** and **Mockito**

**Environment:** JAVA, J2EE, AWS, SPRING MVC, SPRING Boot, SPRING Cloud, Cloud Foundry, JSP, HTML5, PHP, AJAX, JavaScript, CSS3, Angular JS, React Js, Mockito, Servlets, Hibernate, SOAP, WSDL, , MYSQL, JBOSS, Netflix OSS, Docker, MyEclipse Windows.

**Java Developer**

**Hybridclosys Software Solutions Pvt. Ltd., India**

**Jun 13 - May 16**

**Responsibilities**

* Involved in understanding requirements, Software Requirements Specification **(SRS)** and translating them into Detailed Function Specification document **(DFS) for IDS.**
* Developed presentation layer using Struts framework and **MVC** design paradigm.
* Involved in writing the exception and validation classes using Struts validation rules Used **JPA** Entity Manager and **Spring JDBC** templates for **DAO** layer.
* Developed the application using Eclipse **IDE** and spring tool suite.
* Architected, Designed and implemented few of the key **REST APIs** which facilitated a huge data flow.
* Used **SAX, DOM** Parsers, and **XPath** for parsing **XML.**
* Used **Git, Bitbucket** for Design & Development of Project Build System and version control.
* Worked on preparing test cases and executing unit testing and Integration testing.
* Used **ANT** to build, run and create **JARs** and **WAR files**.
* Worked on Jasper Report to report in various forms and used iReport editor for the design of the Jasper template.
* Worked on **NetBeans IDE,** and Web Logic Server **11gR**.
* Worked with the automation team to understand the selenium scripts and review the code, run the tests and review the results and provide inputs to the team.

**Environment:** Java, Spring, JPA, Spring AOP, Struts, Jasper Reports, Restful Web services, Servlets, JSP, JavaScript, GWT, JSON, XML, DOM, SAX,HTML, HTTP client API, NetBeans, Web Logic, Ant, Git, and Bitbucket.