**Varun** **Chakravarthy Gumpena**

[**chakravarthy.vg@gmail.com**](mailto:chakravarthy.vg@gmail.com)

**415-430-8021**

**Summary:**

* 8+ years of Professional experience in IT industry, involving requirement analysis, design, development and implementation of software applications using OOP Concepts, Java 8 and Java EE (Servlets, JSP, JDBC, JNDI, EJB ), Web Services(SOAP, WSDL, Axis), **HTML**, **JavaScript**, **AngularJS**, **AJAX**, **Jenkins**, **JMS**, Maven, Log4J, Oracle Web Center Suite, XML, Apache Tomcat, and JBoss.
* Experience in Pair Programming, Test Driven Development, Waterfall model and agile methodologies like SCRUM and KANBAN.
* Good knowledge and hands on experience in MVC (Struts Framework 1.x/2.x), spring Framework 2.x/3.x, Java Server Faces and ORM (Hibernate 2.0/3.0) frameworks.
* Extensive knowledge on the spring modules like Spring IOC, Spring DAO, Spring Web flow, Spring Security, Spring MVC and Spring AOP.
* Good understanding of various types of AWS Elastic Block Storage (EBS) and their utilization based on requirements.
* Design roles and groups for users and resources using AWS Identity Access Management (IAM) and managed network security using Security Groups and IAM.
* I have worked extensively on open-source control frameworks Struts, Hibernate, and have in-depth knowledge of design patterns and multi-threading.
* Expertise in Distributed and Web environments, focused in JAVA Technologies -Java collections, Threads, J2SE, JDBC, Struts, Spring, Hibernate Framework.
* Involved in developing Microservices components using Spring Boot and Netflix Eureka, Hystrix, Ribbon and Zuul.
* Researched Amadeus GDS API for flight searches. Developed Restful Amadeus Service using CXF JAX-RS to interact with Amadeus API for obtaining flight results based on search criteria. Interaction with Amadeus API was done by using SOAP messages.
* Expert in use and configuration management tools: Chef, Ansible and Puppet
* Experience in Pivotal cloud foundry setup /POC/Configuration/maintenance
* Hands on Experience in creating API Proxies in Apigee Edge using Node.js, JavaScript as well as out of box Policies.
* Expertise in Web-Development technologies like AngularJS, Bootstrap, Servlets, JSP, JSON, JSTL, HTML, HTML5, JavaScript, CSS, CSS3, XML, XSL/XSLT, AJAX, jQuery.
* Designed and developed asynchronous RESTful Micro services using Spring boot, RXJava that are consumed by other micro services with an average response time of 30 milliseconds.
* Created RESTful web services interface to Java-based runtime engine and accounts.
* Hands on experience working with Web and Application Servers such as Apache Tomcat, JBoss, IBM RAD, WebSphere, WebLogic, and Sun Glass fish.
* Hands on experience in working IDE tools like Eclipse (Indigo, Juno, Europa, and Helios), Net Beans, RAD, WID (Web Sphere Integration Designer).
* Understanding and experienced in Software Development Life Cycle (SDLC) and Object-Oriented Programming (OOP).
* Extensively worked on implementing Service Oriented Architecture (SOA) using REST web services.
* Strong Knowledge and Hands on Experience in working with relation databases such as Oracle DB2, MySQL PL/SQL, SQL\*Plus, Database triggers, Procedures, Functions.
* Closely worked with Release Management Team in doing builds and deploying code into various environments like DEV/QA/SIT/UAT/Prod.
* Experience in using DOM4J, JAXB, JAXP parsing and XML Bean to process, validate, parse and extract data from XML files.
* Expertise in Creating Use-case Diagrams, Class Diagrams, Sequence Diagrams in UML, and Rational Rose.
* Experience in using CVS, GIT, Microsoft visual SourceSafe and Subversion (SVN) for project integration across modules.
* Created various Spring boot and spring batch applications to connect them to various databases and created queries to retrieve data and modify the tables for the databases.
* Having Good experience in resolving production issues.
* Excellent client interaction skills and proven experience in working independently as well as in a team.
* Good learner with quick learning skills and good team member with communication skills.

**Certifications:** AWS Certified Solutions Architect – Associate (Credentials URL: <https://www.credly.com/badges/87c17cd8-e746-401d-8e8a-caa4e41a899c>)

**Education**: Bachelor’s in computer science and engineering from JNTU.

**Technical Skills**:

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| --- | --- |
| Languages | Java, SQL, PL/SQL. |
| Web Technologies | CSS, HTML5, Bootstrap, AJAX, jQuery, ReactJS, Java Script, TypeScript, NodeJS, Angular |
| Frame Works | JSF, Spring, Hibernate, Struts. |
| Test Tools | Junit, Mockito. |
| Databases | DB2, MS SQL Server, MySQL, Oracle. |
| Operating Systems | Windows, Linux. |
| IDE | Eclipse, NetBeans, RAD, STS. |
| SOA/Web Services | WSDL, SOAP, (JAX-WS), REST (JAX-RS), SOA. |
| Build and Automation tool | Maven, ANT, Gradle, Jenkins, JIRA. |
| Version Control | SVN, GIT |
| Cloud Technologies | Amazon AWS – VPC, EC2, RDS, S3, EBS, Security Groups, IAM, SNS, CloudWatch and Route53 |

**Professional Experience**:

**Client: J.P Morgan Chase**

**May 2021 – Present**

**Senior Full Stack Java Developer**

**Responsibilities:**

* Involved in SDLC Requirements gathering, Analysis, Design, Development and Testing of application using Agile Model.
* Used Eclipse IDE tool to develop the application and Used JIRA to create EPICs and User Stories for the Sprint cycle.
* Upgraded REST API from Java 1.8 to Java 11.
* Involved in Photon Upgrade (2.5.9) and fixed Junits.
* Implemented Unit test cases in Junit 5.
* Develop Blue Ocean pipeline to deploy API in different pools across Test Environment.
* Developed web application using Spring MVC framework. Implemented Navigation using Spring MVC controllers, configured controllers using Spring MVC annotations and configuration files.
* Developed Micro services with spring boot and Spring Batch along with the test cases and used the spring test's framework to create integration tests.
* Selecting the appropriate AWS service based on compute, data, or security requirements and integrating Amazon Web Services (AWS) with other applications' infrastructure using Terraform.
* Implemented search functionality, filtering, pagination using Hibernate criteria Query interfaces.
* Develop Rest web application by Spring Boot and implemented single sign on by OAuth2.
* Provided connections using Spring JDBC to the database and developed SQL queries to manipulate the data.
* Implemented RESTful webservices for communicating using JAX-RS annotations.
* Established efficient exception handling and logging using Spring AOP.
* Worked with automation using GIT Docker Jenkins, Ansible, and Chef.
* Used Spring DAO concept to interact with database (DB2) using JDBC template.
* Used Web sphere 8.5 Application Developer with RAD 7.5 as development IDE for building, testing, and deploying applications locally.
* Designed and Developed consumer, producer using Restful web services using JAX-RS for various backend services in NichPRO application.
* Designed and developed this application using Angular 8, Node JS, MySQL, Typescript, HTML5, CSS3, Bootstrap, and Angular-Material.
* Developed applications using MVC frameworks and API like Struts, Spring MVC and Spring AOP
* Used Postman to access the results of Rest API calls.
* Nachos Operating System Design and Implementation 2012 Java multithreading, Process scheduler, Memory & I/O managers, CVS, Eclipse
* Used threads features to API calls to enhance the application Performance.
* Reporting to Manager EDPP Data Ingestion, currently responsible for operationalizing enterprise data lake on Big-data platform called Enterprise Data Provisioning Platform (EDPP)
* Worked on proof of concept for metadata ingestion process which will drive down the cost and effort to get meta data into EDPP.
* Produced Restful Webservices using JAX-RS and Jersey Framework
* Developed the application by using JSP, Servlets, Web Services, JavaScript, WebLogic, JAX-RS and SaaS.
* Used Tibco Stream base with Live View Datamart to stream the Live data from the various servers.
* Created functional interface using Lambda expressions.
* Migrating existing application into REST based Micro services to provide all the CRUD capabilities using Spring Boot, which is radically faster in building cloud Micro services and develop Worked with Spring JDBC to store and retrieve data from Oracle Databases.
* Working on creating a distributed network by hosting the application on AWS cloud, Amazon EC2 servers.
* Utilized spring annotations and XML configuration for Dependency Injection.
* Deployed the application to apache TOMCAT server.
* Troubleshoot issues within PCF environments and involving Pivotal vendor as and when needed.
* Build components scheduling and configuration using Maven.
* Implemented Angular Material Design components and Theme, such as table, table pagination, sort header, form filed, etc.
* Used Spring Inversion of Control, to make application easy to test and integrate.
* Used Auto wired Pojo and DAO classes with Spring Controllers.
* Used Log4j to print the logging, debugging, warning, info on the server console.
* Involved in front-end UI design implementations by writing HTML5/HTML, CSS3/CSS, Bootstrap, JavaScript, jQuery, jQuery UI, jQuery Mobile to make better Single Page Application SPA working on Node.JS Server.
* User login, search & portfolio created using HTML5, CSS3, JavaScript and jQuery.
* Used GIT for version control.
* Created and managed team deliverables for the EDPP Data Ingestion Support team by creating a tracker for the team to use.
* Created numerous test cases using JUnit framework and JUnit for front end UI testing.

**Environment:** Java 8.0 11, Web Sphere Application Server 8.5, Hibernate 4.30, Spring Framework 4.0, Angular JS, jQuery, Maven 3.3, Bootstrap, AJAX, JSON, JSP, Nodejs, Spring boot, AWS, JavaScript, HTML5, CSS3, DOJO, RESTful, JAX-RS, JDBC, DB2, Log4j, Jenkins, Apache Tomcat.

**Client: Toyota Financial Services-Plano, TX**

**Apr 2019 – Apr 2021**

**Sr. Java Full Stack Developer**

**Responsibilities:**

* Analyze and write detailed design specifications, traceability matrix sheet and test requirements.
* Conducted Agile and Waterfall vision and strategy presentations to managers, investors, partners and sponsors.
* Extensively involved in system architecture, software development, database design, deployment, testing, performance tuning, and maintenance for large-scale, web based and distributed J2EE projects.
* Developed and implemented front-end applications using Adobe Dreamweaver. Designed and developed UI using JSP, JavaScript, jQuery, HTML, CSS, and AJAX.
* Implemented transaction management, high level authentication and authorization, logging and Exception Handling using Spring Security and AOP.
* Spring framework was leveraged for Inversion of Control (IOC), Spring JDBC; Spring AOP based Transaction management and Unit testing.
* Refactored existing monolithic application by identifying components that needs to be transformed to Micro-services architecture, with Spring Boot based services interacting through a combination of REST, RabbitMQ and AWS API-Gateway.
* Created **Typescript** reusable components and services to consume **REST API's** using Component based architecture provided by **Angular2**.
* Used Message Driven Beans with JMS APIs for asynchronous communication.
* Developed EJB’s for implementing business logic and actively involved in deploying application on JBoss application server.
* Developed persistence layer module using EJB java persistence API annotations and Entity manager.
* Involved in working with JAVA APIs used to establish communication between JavaBeans.
* Implemented several design patterns like MVC, Business Delegate, Service Locator, DAO, DTO and Factory.
* Used XML web services using SOAP to transfer the remote application to different institutions.
* Involved in writing application-level code to interact with APIs, Web Services using AJAX and Angular resources.
* Build REST web service by building Node.js Server in the back end to handle requests sent from the front-end jQuery Ajax calls.
* Analyzed the Node.JS server structure in legacy project, then mimicked the REST service by using Java JAX-WS API and did the corresponding configurations.

**Environment:** Java 8.0, Web Sphere Application Server 8.5, Hibernate 4.30, Spring Framework 4.0, Angular JS, jQuery, Maven 3.3, Bootstrap, AJAX, JSON, JSP, Spring boot, Nodejs, JavaScript, AWS, HTML5, CSS3, DOJO, RESTful, JAX-RS, JDBC, DB2, Log4j, Jenkins, Apache Tomcat.

**Client: BlueCross BlueShield-Omaha, NB**

**Jan 2018 – Apr 2019**

**Sr. Full Stack Java Developer**

**Responsibilities:**

* Designed and developed system-level software, specifically focusing on microservices-based APIs and API endpoint implementation.
* Employed Storybook design to ensure a consistent and visually appealing user experience and Integrated NgRx state management for efficient data flow and predictable behaviour.
* Possessed Java, SQL, and AWS expertise to enhance application functionality with cloud-based services and database management and collaborated with frontend developers to align React Native components and screens with the responsive UI/UX.
* Involved in writing SQL queries, stored procedures, and invoking them from Components.
* Developed RESTful web services, implemented HTTP post, and get methods, and handled errors using HTTP status codes.
* Utilized Kubernetes for load balancing, performance testing, and clustering technologies, including working with Meter.
* Effectively employed Terraform for infrastructure provisioning and orchestration, enabling efficient deployment and management of cloud resources on AWS.
* Utilized tools like Swagger, Postman, and SOAP UI for testing HTTP requests and responses.
* Implemented load balancing, performance testing, and clustering technologies through Kubernetes, including working with Meter.
* Used UI components, Angular JS directives, controllers, view and routing, service modules, validations using HTML5, applying styles using CSS, used jQuery to make Ajax calls.
* Implemented Log4j for logging purposes in development, testing, and production environments, including email notification configuration.
* Validated the application by deploying and testing on JBoss Server.
* Utilized Spring Batch for scheduling and maintaining batch jobs, deploying applications in various environments (DEV, QA, and Production).
* Utilized Jira and Confluence for efficient project management, documentation, planning, work tracking, and reporting across teams.
* Collaborated closely with the Kafka Admin team to set up Kafka cluster setups in QA and Production environments.
* Utilized Version One and Confluence for documentation, planning, work tracking, and reporting across teams.
* Involved in deploying, managing, and developing MongoDB clusters, including creating JavaScript for DML operations.
* Designed and developed Restful APIs and services adhering to best practices for intercommunication within microservices and frontend interaction.
* Utilized GIT for defect and change tracking across the application.
* Wrote JUnit test cases and used ANT as a build tool for services, while also preparing documentation.
* Conducted integration testing, bug fixing, handled change requests, and performed code reviews.
* Utilized Splunk logging for tracking, application monitoring, security, and compliance.
* Employed Version One and Confluence for documentation, planning, work tracking, and reporting across teams.
* Contributed to the improvement of the overall codebase by identifying opportunities to migrate existing Java code to Python, enhancing code readability and maintainability.

**Environment:** Java 8.0, RAD 7.5, Web Sphere Application Server 8.5, Hibernate 4.30, Spring Framework 4.0, Angular JS, jQuery, Maven 3.3, Bootstrap, AJAX, JSON, JSP, Spring boot, AWS, JavaScript, HTML5, CSS3, DOJO, RESTful, JAX-RS, JDBC, DB2, Log4j, Jenkins, Apache Tomcat.

**Client: United Healthcare Inc. –Mclean, VA**

**May 2016- Dec 2017**

**Role: Java Developer**

**Responsibilities:**

* Developed and coded interfaces, classes and created appropriate relationship between system classes and interfaces.
* Used concepts such as synchronization and thread pools.
* Implemented Web Service calls for data parsing and server interaction using spring, Threads, JSON, SOAP, RESTAPI and Apache.
* Developed web services to allow communication between applications through SOAP over HTTP using Axis-2
* Used I BATIS framework with Spring Framework for data persistence and transaction management.
* Actively involved in coding using Core Java and collection API’s such as Lists, Sets and Maps
* Working on parsing the XML using DOM/SAX parsers.
* Design and developed custom and responsive single page applications using Angular 4.
* Responsible for using AWS Console and CLI for deploying and operating AWS services.
* Created stored procedures using SQL for data modification.
* Actively used Eclipse IDE for building, developing, and integrating the application.
* Developed JUnit test cases for integration testing and integrated with ANT build tool.
* Fixed many bugs and handled interfacing issues while deploying an application on Tomcat application server.
* Actively guided support team in live issues during deployment in Tomcat server.
* Extensively involved in code review and documentation review of technical artifacts.

**Environment:** Agile/Scrum, Java, JSP, jQuery, JavaScript, HTML, CSS, AJAX, XML, EJB, SAX, DOM, SOAP, Java Beans, SQL Server, Eclipse, Tomcat, ANT, JIRA, Log4j, SVN, MS Office, AWS, MS Visio, MS Project, Spring, HP Quality Center, J Boss

**Client: Aricent Technologies- Bangalore**

**Dec 2014-Jul 2015**

**Role: Java Developer**

**Responsibilities:**

* Developed JSP and extensively used tag libraries.
* Designed the system with OOAD methodology using various design patterns like factory method, Singleton, Adaptor, Template etc.
* Implementing and planning the server-side architecture using spring and hibernate.
* Configured the spring framework for entire business logic layer with XML bean configuration files.
* Preparation of Low-Level Designing and High-Level Designing and relevant documentation.
* Unit testing using JUnit.
* Extensively used Spring IOC for Dependency Injection and worked on Custom MVC Frameworks loosely based on Struts.
* Wrote Controller classes in Spring MVC framework in the web layer.
* Used Table per hierarchy inheritance of hibernates and mapped polymorphic associations.
* Developed one-much, many-one, one-one annotation-based mappings in Hibernate.
* Developed DAO service methods to populate the domain model objects using hibernate.
* Used java collections API extensively such as Lists, Sets and Maps.
* Wrote DAO classes using spring and hibernate to interact with database for persistence.
* Performed on e-Commerce by using JSF framework and JavaScript, jQuery HTML5 pages.
* Wrote and tested Java Beans to retrieve trading data and subscriber's information from MySQL database server.
* Implemented Unit and Integration test cases with JUnit Framework based on Functional Flow.
* Wrote request handler methods in the Spring MVC controllers.
* Configured view resolvers for Spring MVC Web layer.
* Configured Log4j for logging and debugging.
* Used JDBC API, Data source, and JNDI for data access with Oracle DB.
* Designed unit test plans and developed JUnit cases.

**Environment:** OOAD, Java, JDBC, Spring Application Framework, Spring ORM, Spring JDBC, Spring MVC, Hibernate ORM, Oracle 11g, Eclipse based Spring Source Tool Suite(STS), JUnit,Log4J, Maven, Apache Webserver, Linux and Windows, MS Visio, MS Office, MS Project