

## SAI KRISHNA

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Sr. Full Stack Java Developer

Current Location: Seattle, WA

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### PROFESSIONAL SUMMARY

- Overall, 7+ years of experience in design, development and implementation of software applications using Java, J2EE, technologies. Having good experience in the Information Technology Industry and healthy participation in all phases of Software Development Life Cycle (SDLC) including analysis, design, coding.
- Experience in Test Driven Development, Waterfall model and Agile methodologies like SCRUM.
- Experience in analysis, design, development, testing, maintenance, performance tuning and deployment of internet, e-commerce and client-server applications using Java, Servlets, JSP, JavaBeans, JDBC, Spring, Hibernate, AJAX, JavaScript.
- Proficient in using Amazon Web Services (AWS). Extensive experience focusing on services like EC2, Elastic Beanstalk, CloudWatch, CloudFront, Elastic Load Balancing, Cloud Formation, IAM, S3, RDS, ElastiCache, SNS, SQS, AMI.
- Excellent hands-on experience with HTML5, CSS3, SASS, LESS, JavaScript, jQuery, Angular JS, ReactJS, Material, Node JS, Backbone JS and MVC frameworks.
- Worked on Confluent Platform (Apache Kafka and its ecosystem) and Reactive Kafka.
- Implemented Micro Service Architecture with Spring Boot based RESTful services and consumed SOAP based Web Services.
- Experienced in Spring modules like Spring Boot, Spring MVC, Spring AOP, Spring Batch in Spring Framework.
- Design, develop and implemented Behavior data driven (BDD) automation testing framework utilizing Java, Cucumber and Selenium Web Driver.
- Good knowledge and experience with Servers like Web Logic server, Apache Tomcat, JBoss and contributed documentation to Angular2, Ionic.

### PROFESSIONAL EXPERIENCE

Sr. Full Stack Java Developer

U.S. Anesthesia Partners(Health care), Dallas, Tx

Aug 2020 - Jan 2022

#### Responsibilities:

- Developed Java8 modules implementing business rules and workflows using Spring MVC, Web Framework.
- Worked on performance tuning J2EE apps, performance testing, analysis, and tuning.
- Developed the Product Builder UI screens using React-JS, Node JS, HTML5, CSS, and JavaScript.
- Driven end to end deployment of various Components on the Azure Platform.
- Hands on experience in using UNIX and Shell commands, Shell scripts to create jobs, automate processes, moving processes to background and monitoring processes.
- Used Jenkins for Continuous Integration process and entire application is developed and deployed on Tomcat server.
- Used Jenkins plugins for code coverage and to run all the test before generating war file.
- Developed CI/CD system with Jenkins on Kubernetes environment, utilized Kubernetes and Docker for the runtime environment for the CI/CD system to build, Test and Deploy.
- Developed PCF based Microservices to expose the key Identity management features on the cloud.
- Implemented the persistence layer using Hibernate ORM. Utilized PL/SQL for stored procedures.
- Worked on creating Azure Blob for storing unstructured data in the cloud as blobs.
- Implemented Security in Web Applications using Azure and deployed Web Applications to Azure .

- Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
- Hands on experience in setting up databases in AWS using RDS, storage using S3 bucket and configuring instance backups to S3 bucket to ensure fault tolerance and high availability.
- Designed and developed the REST based Microservices using Spring Boot.
- Built code to run SQL queries from Python to Oracle database to fetch, update records.
- Deployed Spring Boot based micro services and Docker container in internal cloud server.
- Manipulated HL7 data in XML transmissions to match vendor specifications using Java Scripting.
- Developed Microservices using Spring Boot, Spring Cloud with Netflix Eureka to create the discovery Server, service, discovery clients and integrated Apache Kafka and Zookeeper as message broker.
- Wrote automated tests (TDD & BDD) with RSpec and Cucumber
- Implemented unit test cases for components using Enzyme and Jest.
- Performance tuned many queries and taking back up of cronjobs and shell scripts.
- Used Docker as a new level of simplicity to define and create applications or services by encapsulating them in containers.
- Developed Kafka consumers to consume data from Kafka topics
- Designed and developed the login portal using framework React along with HTML5, CSS3 and Type Script.
- Used Apache Kafka (Message Queues) for reliable and asynchronous exchange of important information between multiple business applications.
- Deployed services in Spring Cloud using Pivotal Cloud Foundry with PCF CLI client
- Automating test scenarios by writing java code and using selenium framework for cucumber testing.
- Designed and developed product for delivery location monitoring system using Spring MVC, Spring Boot, Spring Data, Spring Cloud, Maven, JPA, Hibernate, Tomcat, RabbitMQ, MongoDB, Web Socket, and implemented server-side REST APIs.
- Worked on MongoDB database on locking, transactions, indexes, Sharding, replication, schema design.
- Migrated large proprietary databases running in Oracle environment to Vendor specific database running on SQL Server
- Using React JS created custom directives for data manipulations and to display data in company standard format in UI.
- Designed and developed a component for Synapse for caching DICOM images from remote PACS imaging systems.
- Auto Logging all Jenkins Logs into No Sql Database MongoDB.
- Used Spring Boot which is radically faster in building cloud Micro services and develop Spring based application with very less configuration.
- Experience in Cloud Solutions on AWS utilizing EC2, S3, IAM, ECS and RDS etc.
- Developed product using Backbone.JS, Handlebars JS and SASS.
- Develop dashboard for client health and performance (Node.js/Express backend / D3 frontend)
- Used AWS SDK to connect with Amazon SQS for bulk email processing.
- Designed and developed asynchronous RESTful Microservices using Spring boot, Couchbase that are consumed by other Microservices with an average response time of 30 milliseconds.
- Knowledge of health information and health care services regulatory environment including HIPAA, Medicaid/Medicare, and EDI.
- Use HIPAA transactions to interface with Third-Party Administrators TPA also various proprietary file interfaces for TPAs not supporting HIPAA transactions.
- Used Maven for application build and svn for change control management.
- Unit testing of developed product features using Junit and Mockito frameworks as part of development cycle.
- Used SOAP based Web services and RESTful Web services for transferring data between applications.

**Environment:** Java, J2EE, Spring MVC, Hibernate v3.0, Oracle DB, ReactJS, CSS, HTML5, JavaScript, jQuery, AJAX, SOAPUI 5.1, IntelliJ, Db. Visualizer, Web Portals, Tomcat, JBoss, SVN, Maven, JIRA, SOAP/RESTful, Azure, Web Services, WSDL, Agile, Application Integration, Cucumber, Bamboo CI.

## **Sr. Java Full Stack Developer**

**Delta Airlines, Atlanta, GA**

**January 2019 - July 2020**

### **Responsibilities:**

- Actively participated in different phases of the Software Development Life Cycle (SDLC) and analyzed Use case diagrams and Class diagrams based on requirement.
- Excellent working knowledge in UNIX and Linux shell environments using command line utilities and build back-end application with Python / Django, work with docker, RabbitMQ, Celery, Jenkins.
- Migrating existing application into REST based Microservices to provide all the CRUD capabilities using Spring Boot.
- Implemented Backbone.JS and React.JS to create a dynamically changing website.
- Used Dynamo DB to store the data for metrics and backend reports.
- Used React Fetch to make REST API calls and used Toaster to show info, warn and error notifications to the user.
- Development of Python API's for monitoring of data acquisition and automation of data quality check process.
- Developed Python batch processors to consume and produce various feeds.
- Used React JS components, Forms, Events, Keys, Router, plus Redux, Animations and Flux concept.
- Source code management is performed using GIT from master repository and knowledge on container management using Docker in creating images.
- Developed Azure Active Directory (AAD) authentication and OAuth authorization for API security.
- Experienced in Oracle PL/SQL programming including development and tuning of packages, stored procedures, functions, and Unix/Linux Shell scripting.
- Extensively involved in UNIX Shell scripting for writing Wrapper scripts, SQL Execution scripts in ETL processes.
- Involved on migration of SQL Server databases to SQL Azure Database using SQL Azure Migration Wizard and deployed the application to Azure cloud.
- Used Angular.JS with JSON Object returned by Spring MVC Controller.
- Developed Microservices using Spring MVC, Spring Boot, Spring Cloud.
- Developed the GUI module using Angular JS, AJAX framework
- Setting up the build and deployment automation for Java base project by using JENKINS and Maven.
- Developed MAVEN scripts for compiling and deployment used Jenkins as Automation tool to move from one environment to another environment.
- Created functional automation scripts using opensource tools selenium (selenium RC, Grid)
- Worked with NoSQL Cassandra to store, retrieve, and update and manage all the details for Ethernet provisioning and customer order tracking.
- Developed Merge jobs in Python to extract and load data into MySQL database.
- Configure and deploy MongoDB clusters (ver 4.0, ver 4.4) using Docker containers in on-prem and AWS cloud environment, in both Linux and Windows platform.
- Developing screens using AngularJS, Dojo, CSS3 and Html5 and Designed Dojo widgets and reusable modules with Dojo.
- Used various Backbone.JS components like View, Model, Router, Collections.
- Heavily used Lambda function on text object methods Context object properties using Node.js
- Implemented systems that are highly available, scalable, and self-healing on the AWS platform.
- Processing data ingestion and entity resolution using Hadoop and Pig.
- Worked on JavaScript framework (AngularJS, Backbone, and Bootstrap) to augment browser-based applications with MVC capability.
- Involved in developing spring-ORM by integrating spring with Hibernate.
- Familiar with AWS services such as EC2, Load Balancer, Lambda, S3, RDS, DynamoDB, VPC, Route 53, CloudFront, IAM, WAF, CloudFormation, Trusted Advisor, CloudWatch, CloudTrail, Config etc.
- Used JavaScript framework such as Angular JS (for data driven apps) and Backbone.js (for heavy DOM Manipulation).

- Applied Hadoop MapReduce to reduce processing time from two weeks per year of data to one day.
- Created detailed AWS Security Groups, which behaved as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
- Implemented Microservices architecture using Spring Boot for making application smaller and independent.
- Developed custom directives and created Angular JS services to consume in controllers.
- Developed micro services using Lambda AWS functions.
- Working experience with No SQL DB Mongo DB, Cassandra for offering commercial support and other services.
- Implemented MVC architecture using JSP, Spring, and Hibernate and used Spring Framework to initialize managed beans and services.
- Created AWS Launch configurations based on customized AMI and use this launch configuration to configure auto scaling groups.
- Involved in development of Agent Verification System using Spring MVC framework.
- Development of SQL/PLSQL scripts for stored procedures, functions for SQL server database.

**Environment:** Java, J2EE, Struts 1.2, Application Integration, Struts Tag Libraries, Spring MVC, Spring Web Flow, Hibernate, Oracle 9i, Web Sphere 5.1, Angular-JS, CSS, HTML5, JavaScript, jQuery, AJAX, SOAPUI 5.1, Kafka, IntelliJ, Db. Visualizer, Tomcat, Web Portals, JBoss, SVN, Maven, JIRA, SOAP/RESTful Web Services, Azure, WSDL, Spring Based Microservices, Multi-Threading, Agile and Scrum methodology.

## **Java Full Stack Developer**

**Brio Technologies Private Limited, Hyderabad, India**

**June 2016 - December 2019**

### **Responsibilities:**

- Worked with development team to design solutions; implemented client-side JavaScript tracking code in JSP web application using s\_code.js code library.
- Designed and implemented application using JSP, Spring MVC, Spring IOC, Spring Annotations, Spring Batch, Spring AOP, Hibernate, JMS, Oracle, and WebLogic server.
- Created a reusable component using React JS for DOM manipulation.
- Worked with spring and web services with REST by creating restful services using Spring Controller class.
- Involved in writing application-level code to interact with APIs, Web Services using AJAX, JSON and XML.
- Created various Angular directives, controllers, DOM expressions, templates, data binding etc.
- Worked on scripting Bash, PowerShell, Perl, Ruby, Python.
- The project uses the graphic database Neo4j, backend is Node.js, and front end is React.js, Redux and D3 to implement the visualization. It also uses S3 buckets to store the forms which can only be accessed by authenticated login.
- Involved in development of the application using Spring Web MVC and other components of the Spring Framework, the controller being Spring Core (Dispatcher Servlet). Also implemented Dependency Injection using the spring framework.
- Designed business applications using web technologies like HTML, XHTML, and CSS based on the W3C standards.
- Created a state management in react application using **redux** for the data flow within the application.
- Assisted QA teams for creation of different test cases for end-to-end validation of tracking code.
- Prepared shared dashboards as per requirements of business stakeholders.
- Extensively used JIRA as an issue tracking and bug-reporting tool.

**Environment:** Java, Spring, SOAP/REST web services, Junit, SVN, Maven, JavaScript, JQuery, React JS, HTML, CSS, AJAX, SQL, Agile, Scrum.

## **Java Developer**

**Hudda InfoTech Private Limited Hyderabad, India**

**Jan 2015 - May 2016**

## **Roles & Responsibilities:**

- Used JDBC for collecting and saving data to server and invoke the stored procedures.
- Responsible for developing a front-end application using React JS and REDUX architecture for internal team's productivity use.
- Worked on Redux with React to handle large chunks of data for the better performance.
- Worked on OOP concepts like inheritance, polymorphism, abstraction, Encapsulation.
- Used Maven as a build and dependency management tool.
- Experience in using Reacts JS components, Forms, Events, Keys, Router, Animations and Flux concept.
- Tested the Service classes and DAO Classes by using JUnit Test Cases
- Implemented various screens for the front end using React.js and used various predefined components from NPM and Redux. Used Babel for transpiling code written in ES6 to ES5 supported by most browsers.
- Collaborated along with the Business Analysis, Design, and Quality Assurance and Development team in shaping the product.

**Environment:** Java, JDK, Servlets, JDBC, XML, DOM, HTML, Web Services, SOAP & Restful UI, React, Redux, SQL, JavaScript, JUnit, Linux, Windows.

## **TECHNICAL SKILLS**

Languages: C, C++, Java, Python, SQL.

Markup/Script Languages: HTML, JavaScript, TypeScript, XML.

J2EE Technologies: Servlets, JSP, EJB, JPA, JSF, Thyme leaf Spring Boot.

Web Technologies: HTML, XML, XHTML, DOM, CSS, Ajax, JSON, Angular JS, Backbone.js, React.js, Node.js, Web Services (SOAP and Restful)

Java Frameworks: Struts, Spring, Hibernate, Swing.

Databases: Oracle 8i/9i/10g/11g, My SQL, SQL Server, HSQL, PostgreSQL, MS Access, AWS Dynamo DB.

Cloud: AWS, Azure.

IDE: Eclipse, My Eclipse, Net Beans, Sublime Text, visual Studio, Web storm

Debugging Tools: Firebug, IE developer Toolbar

Servers: Apache Tomcat, Apache Axis2, JBOSS, WebLogic, Red Hat Apache web server, Apache Cassandra

Test Frameworks: JUnit, Jasmine, Karma, mocha, chai

Operating Systems: Windows (NT/2000/XP), Mac, UNIX, and LINUX

Source Control: Git, GitHub, GitLab, Atlassian STASH

Build & Deploy: Jenkins, Hudson, Ant, Maven, Gradle, Code Deploy, Apache Tomcat, JBOSS

Others: NPM, Ember, Agile methodology, Atlassian JIRA, Atlassian Crucible, VersionOne, Kanban

## **EDUCATION**

### **Master's in computer science**

University of Houston - Clear Lake - 2020

### **Bachelor's in computer science**

Gitam University - 2016