MAHIMA CHANDRAN

Java Full Stack Developer

CONTACT INFORMATION

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HARTFORD CT

EDUCTAION DETAILS

Bachelors in Engineering
Anna University India
Sep 2011 – JUNE 2015
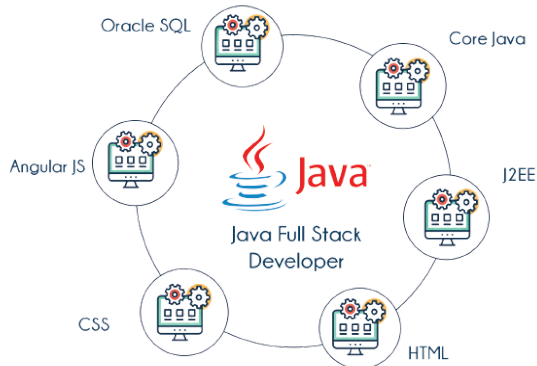
ABOUT ME

I bring around 7+ years of cross-platform development expertise, specializing in object-oriented programming, Core Java, and J2EE. My skills encompass React JS for UI components, AWS deployment, Spring Boot for microservices, and Angular for single-page applications. I have a strong grasp of AWS, diverse databases, and methodologies like Agile, Waterfall, and TDD. With hands-on experience Azure in core Java, ORM frameworks, and Spring, I have successfully designed and developed J2EE applications. Additionally, I am knowledgeable in Adobe Experience Management, SOA, and microservices. I excel in UI design, version control, database modeling, messaging queues, and test automation. I am adaptable to new technologies and proficient in multiple programming languages.

WORK SUMMARY

Sr. Java Full Stack Developer
ABB E-Mobility| Bloomfield, CT
Oct 2023 - present

Sr. Java Full Stack Developer
Uncommon Goods | Brooklyn, NY
Jan 2022 – Sep 2023

Java Full Stack Developer
Stanley Black & Decker | New Britain, CT
Sep 2020 – Dec 2021

Java Developer
Domino's pizza | Ann Arbor MI
Jan 2018 – June 2019

Java Developer
Acs Technologies INC | Florence, SC
June 2016 – Dec 2017

TECHNICAL SKILLS

Programming Languages	Java (1.5/1.6/1.7/1.8), C, C++, PL/SQL, Python, Ruby
J2EE Technologies	JSP (2.x), JSTL, Servlets (3.1,3.0), JDBC, EJB (3.x), Java Beans XSD, JAX-RS, JAX-WS, SOAP, WSDL, Axis, Apache CXF, Java Security, ColdFusion 9/8/7, JBPM, Hibernate, JPA, iBatis.
Web Technologies	HTML5, DHTML, JavaScript, AJAX, Bootstrap, jQuery, XML, XSLT, XSL, CSS3, Angular7,8,9,11, JSON, Chase Standards, Node Js, EXTJS, AngularJS
Web service Frameworks	Spring (4.x/3.x), Hibernate (5.x,4.x,3.x), Struts (2.5/2.3), Spring MVC, Spring IOC, Spring Boot, Spring AOP, Spring Web Flow, JSF, Log 4J, Junit
Web Services	SOAP, REST
Design Patterns	Singleton, Business Delegate, Data Transfer Object, Façade, Data Access Object, MVC, Filter
Databases	Oracle(9i/10g/11g/12c), SQL Server (14.0), DB2, MySQL, Postgres SQL, Mongo DB, Cassandra, Sybase
Build Scripts	Maven, Ant and Jenkins
Testing Tools	JUnit, Log4J, Mock Framework, Cucumber, Selenium, JUnit, SoapUI, Putty, Mockito

Methodologies	Agile, Waterfall, Scrum
Version Control Tools	GIT, SVN, Clear Case
Operating Systems	Windows, Linux, CentOS, Ubuntu
Cloud Technologies, DevOps Tools & Other	AWS, Azure, GCP, EC2, Pivotal Cloud Foundry (PCF), Docker, JIRA, Adobe, PCF
Big Data Technologies	Hadoop, Apache Spark, Scala, Hive, HBase, Sqoop, Solar, Apache Kafka

WORK EXPERIENCE

Client: ABB E-Mobility, Bloomfield, Connecticut   **Sep 2023 - Present**
Role: Sr. Java Full Stack Developer

Responsibilities:

- Worked in Agile environment, that includes daily scrum meeting with the team, sprint planning and estimating the tasks for the user stories
- Used **Junit(Mockito, EasyMock, PowerMock), Nunit, MSTests(Moq)** for unit testing. Used TDD and ATDD development while developing code.
- Participate in release and sprint planning to review the requirements and provide feedback and help the Business Analyst/Product Owner in creating requirements and Epics/stories.
- For developing, used **IntelliJ and Visual Studio Code as IDE**
- Do code reviews and make sure the **code quality** is in line with the rules specified using **CI/CD** tools such as Jenkins and also make sure it aligns with rules specified in Pull request requirements documents.
- Worked in Linux operating system and also have good experience in using git commands
- Experience in working **Angular Framework,** in developing Human Machine Interface and involved in testing with Mock tool.
- Experience in working **Microsoft Azure** tool to do code review and to run pipeline and create build tag
- Experience in working **gerrit** to do code reviews and to create builds using **Jenkins pipeline.**
- Experience in working with **Java** to develop applications for backend communication between **different server components.**
- Closely worked with hardware components and used **C,C++** in developing those applications.
- Developed code using **Spring 5** technologies, all of our backend services/microservices are **Springboot** applications.
- Used **Gradle/Maven** for building these applications.
- Worked in a project to design **Human Machine Interface** for disabled people as per **American disabilities Act** and developed design using **QT/QML.**

Environment: JAVA/J2EE, Microservices, Spring Boot, NodeJS, RESTful, JSON, Spring Cloud, Angular, SQL DB, Oracle, stack Overflow, Junit, Mockito, Jenkins, AWS, Git, SonarQube, Maven, Log4j, Jira, Linux, Gerrit, Microsoft Azure, Sonarlint

Client: Uncommon Goods, Brooklyn, NY   **Jan 2022 - Sep 2023**
Role: Sr. Java Full Stack Developer

Responsibilities:

- Implemented **Agile** (**Scrum**) Methodology that includes daily scrum meeting with the team, sprint planning and estimating the tasks for the user stories.
- Involved in analyzing **micro services** architecture challenges, design analysis, development of the user stories, assigning tasks, testing the application.
- Solid programming skills and experience troubleshooting **Fuse ESB, API** and configuration tools.
- Writing several complex SQL queries and Stored Procedures using **Hibernate** as the **ORM** Framework to interact with Oracle Database and perform transactions.

- Developed Angular services to make **Restful API** calls using Http and resource services to post and get data in **JSON** format.
- Created reusable **Angular** components for the application and used state for class components.
- Fundamentally redesigned **Wind-chill** Infrastructure Scoping leading to continued success with Physical, Virtual or **Cloud environments.**
- Established and maintained CI/CD pipelines using tools such as AWS CodePipeline, AWS CodeBuild, Azure DevOps, or Jenkins for automated deployment and testing.
- Developed Java-based applications hosted on AWS and Azure, leveraging cloud services for scalability and reliability.
- Integrate Lambda functions with other AWS services like S3, DynamoDB, SNS, SQS, and more to build scalable and automated workflows.
- Used **Spring Cloud** Config server to load the properties dynamically, Spring Eureka service registration and discovery client for maintaining instances and use a ribbon load balancer to balance the load between multiple instances of the same service.
- Design and implement microservices using Scala and Java, following best practices for scalability, fault tolerance, and maintainability.
- Design and implement Lambda functions that respond to specific AWS events, such as S3 file uploads, API Gateway requests, or database triggers.
- Involved using ReactJS components, Forms, Key, Events, Router, Animations and Flux concept.
- Developing **RESTful** web services using **Node JS** and **Express JS** and used **Node JS** server to interact with the Rest services and database hosted on multiple load-balanced cloud instances.
- Good knowledge of providing authentication and authorization for web services using **OIDC (Open ID Connect)** on top of **OAuth 2.0**.
- Implemented micro services using **Spring Boot**, spring-based micro services, and enabled discovery using the server.
- Involved in creating and Deployment of REST API and **Micro Services** in Java **J2EE** using **Spring Boot**.
- Developed service components which are exposed as Web Services using **RESTful** Web Services, developed service components to consume Web Services.
- Created **Restful** Web service for updating customer data sent from external systems.
- Implemented **Java 8** features like Collections, lambda expressions, parallel streams, and functional interfaces.
- Implement CI/CD pipelines to automate the deployment of Lambda functions and serverless applications using tools like AWS CodePipeline and AWS CodeBuild.
- Designed cloud architecture solutions aligned with AWS and Azure best practices, selecting suitable services and resources for optimal performance.
- Implement new features and functionalities using both Java and Scala, following best practices for software development.
- Integrated Java applications with AWS and Azure services like S3, RDS, Azure Blob Storage, and Azure SQL Database for seamless data storage and retrieval.
- Used **Spring, play/Akka** framework for the **MVC** implementation with **spring** for **Dependency Injection** and **Hibernate** as an **ORM** tool for database communication.
- Utilized **Node.js, Socket.io, Redis, Supervisor, Grunt, Yeoman, and Angular** for scalable website architecture and real-time technology.
- Hands-on experience in using message brokers such as **ActiveMQ** and **RabbitMQ**.
- For Front End User Interface components used **HTML5, CSS3, JavaScript, Angular 9/10.**
- Involved in designing User Interface (UI) applications and professional web applications using **JavaScript**, **Angular 9**, **Bootstrap**, **jQuery**, **HTML**, **CSS**, **DOM**, **XHTML**, **JSON** and **AJAX**, **Angular JS**.
- Developed applications in Java-based UI within **Angular 9** framework and **Node.js**, integrated with **TypeScript.**
- Built different modules, controllers, templates, custom filters, and directives in **Angular 9/10**.
- Develop and maintain Java and Scala applications, ensuring code quality, performance, and scalability.
- Implemented different validation controls on the webpages using **Angular 9/10** and developing a cross-platform application.
- Created the React JS components and triggered Angular code to render the React components using life cycle hooks.
- Developed dynamic responsive Web Application by integrating **Angular** with **Bootstrap** which is further integrated with Web Services and **Vue.js**.
- Worked on **AWS** services to deploy static websites and dynamic Web Apps on EC2 using Elastic Beanstalk and Elastic Container Service-**Docker**.
- Designed and developed **Micro Services** business components using Spring Boot, configured DB2 as per Adobe experience Manager schema.

- Extensive experience in developing robust and scalable backend applications using TypeScript, Node.js, and relevant frameworks like Express.js or NestJS.
- Worked as part of the **Microservices** team to develop and deliver **Maven** projects to deploy on **Jenkins CI/CD** and also having experience in managing the **Docker** containers in **Kubernetes**.
- Contributed on Ubuntu Launchpad, **stack overflow** and many open-source forums.
- Performed **GitHub** bash and Terminal commands to clone, fetch, merge, pull, and push the code.
- Used Spring **Kafka** API calls to process the messages smoothly on **Kafka** Cluster setup and used Spark API to generate Pair RDD using Java programming.
- Developed Unit and Functional Test Cases using **JUnit** while following the Test-Driven Development (**TDD**) approach.
- Deploy Java applications to OpenShift clusters using Kubernetes manifests or OpenShift deployment configurations.
- Used automating functional and regression testing through **Protractor**, for the End-to-end testing framework for Angular application.
- In-depth experience in **API** testing (**REST**) of web services using **Rest Assured**, Postman, while scenarios integrating with the Cucumber scenario.
- Tested REST web services using **SoapUI**, Advanced Rest Client and **Postman**.
- Involved in day-to-day handling of **JIRA** issues (production issues at the time) that involved data inconsistencies that required to be solved in very less time.
- Manage application deployments, scaling, and rolling updates in OpenShift.
- Monitor and troubleshoot application deployments on OpenShift, ensuring high availability.

- Used Apache **Maven** as a Build tool, in order to automate the build process and deployment of the application and debugging through logging frameworks like **log4j**.

Environment: JAVA/J2EE, Microservices, Spring Boot, NodeJS, RESTful, Hibernate, JSON, Spring Cloud, OAuth2.0, Angular, HTML, CSS, JS, Bootstrap, SQL DB, Oracle, stack Overflow, Apache Kafka, Junit, Mockito, Cucumber, Protractor, Jenkins, AWS, Git, SonarQube, Maven, Log4j, Jira

Stanley Black & Decker, New Britain, CT   **Sep 2020 – Dec 2021**
Role: Java Full Stack Developer

Responsibilities:

- Involved in all phases of application lifecycle including design, development, unit testing, and on call support during production live.
- Worked with management, analysts, and end users to create Project workflow rules, design mockups, data validations and design strategies.
- Developed user interface by using **React Js**, Flux for SPA development.
- Implemented client-side Interface using **React Js**.
- Strong command of TypeScript, utilizing its features to enhance code quality, maintainability, and developer productivity.
- Worked in using **React Js** components, Forms, Events, Keys, Router, Animations and Flux concept.
- Build React components and stand-alone functions to be added to any future pages.
- Responsible for developing a front-end application using **React Js** and FLUX architecture for internal team's productivity use.
- Involved in designing and developing the web pages using HTML5, CSS3, JavaScript, Bootstrap, ReactJS, Redux, Flex, NodeJS
- Working with React Router for developing Single Page Applications SPAs.
- Worked on responsive design and developed a single ISOMORPHIC responsive website that could be served to desktop, Tablets and mobile users using **React Js**
- Implemented the Drag and Drop functionality using React -Dragable thoroughly performed unit testing and integration testing.
- Skilled in building responsive and dynamic user interfaces using TypeScript, HTML, CSS, and modern frontend libraries or frameworks such as Angular, React, or Vue.js.
- Created reusable **React** components and managed application state with **Redux**.
- Applied redux middleware using **redux-promise, redux-thunk** and **redux-saga.**
- Used **redux form** to manage form state in **redux**.

- Involved in development of project back-end logic layer by using most of the core java features such as Collection Framework, Interfaces and Exception Handling programming and **Java 8** features.
- Built **Maven** application using **spring boot**. Used **Jenkins** in cross platforms and deployed **EAR to WAS servers** in related environments.
- Developed Data access layer using **Spring Data** and **Hibernate** to access and update information in the database.
- Experience in **JSON** to **XML** transformations and vice versa to support different services of application and involved to test **REST APIs** using **Postman** and **SOAPUI.**
- Used Lombok Java library, annotations to refactor and build efficient quality code by avoiding getters and setter's implementation.
- Use of tools such as **PMD, findbugs, Jenkins, Sonar** to ensure continuous integration in the project.
- Developed Unit tests for applications using **Mockito**.
- Developed custom log filters and configuration to requests.
- Create and maintain documentation for codebases, APIs, and libraries in both Java and Scala.
- Experience in working with various spring framework modules like **Spring Core, Spring IOC, Spring Data JPA, Spring AOP, Spring Security, Spring Transaction, Spring JDBC, Spring MVC, Spring Integration.**
- Developed batch jobs using Spring Batch and Develop email notification system for system failures using Spring Mail.
- Ensure smooth communication and data interchange between Scala and Java codebases.
- Employ test-driven development practices to write unit tests, integration tests, and acceptance tests for Scala and Java code.
- Developed messaging engine using **Spring JMS** and **Spring AOP** for audit logging.
- Developed and executed unit test cases using **JUnit** framework by supporting TDD.
- Developed automated unit testing using **Junit** and **Mockito** frameworks.
- Used Rally Resolve the Service Requests raised and Jenkins for continuous integration.
- Used Unix Shell Scripting for generating daily reports in **Linux** environment.
- Worked in an agile environment and used **Apache Tomcat** as application server.
- Used Maven for project management and **GitLab** for version controlling.
- Everyday tasks include **agile, Jira, GitLab.**
- Interacted with business user community to implement and review new features, documents, and design specifications, as well as maintaining and improving legacy code on the existing framework.

Environment: Java 8, Spring REST, Spring MVC, Spring AOP, Spring Boot, Spring DATA, Spring JMS, Hibernate, Orac2c SQL, Jenkins, Junit, Log4j, Spring Framework, SOAP, XML, TypeScript, JavaScript, Git, Apache Maven, JUnit, HTML/DHTML, NPM, React.

Client : Domino's pizza, Ann Arbor MI   **Jan 2018 – June 2019**
Role: Java Developer

Responsibilities:

- Integrated Auth0 for authorization and authentication of users and **API** calls from different applications.
- Used **Log4J** to print info, warning, and error data on to the logs and Spring Swagger to generate documentation for a Spring **REST** API.
- Using advanced level of HTML5, AJAX, **JavaScript**, CSS3 and pure CSS layouts. Implemented application.
- level persistence using **Hibernate** and Spring. Developed various UI (User Interface) components using JSP, and HTML.
- Used **Node** JS for development and support for both client and Server-side applications.
- Expertise in front-end development in working with **AJAX** frameworks: Node JS, Express JS, EJS, JQuery, Angular 2+.
- Implement new features and functionalities using both Java and Scala, following best practices for software development.
- Familiar with **REST API** designing in a Node.js and Express.js environment, and API testing with Postman and cURL.
- Decomposed existing monolithic code base into Spring Boot **microservices**. Developed new features and provided support for all Microservices.
- Created **S3 buckets** in the AWS environment to store files, sometimes which are required to serve static content for a web application.
- Integrated **Auth0** for authorization and authentication of users and API calls from different applications.
- For Continuous Integration (CI) and Continuous Delivery (CD), we use GitLab and deploy it on **OpenShift**.
- Used spring core annotations for Dependency Injection, Spring DI and Spring MVC for **RESTful APIs** and Spring Boot for **Microservices**.
- Developed **REST exception handling** controller advice to respond to bad requests and server-side exceptions.
- Hands on experience in J2EE framework and extensively used Core Java and Spring API in developing the

business logic using **Agile Methodology**.

- Experience in Integration of **Amazon Web Services AWS** with other applications infrastructure.
- Experience in scripting deployments to AWS.
- Good knowledge in Microservices development using **Spring boot** and **Spring cloud**.
- Experience in **Unit Testing** of components using Junit with Mockito, Easy Mock.
- Designed and developed web pages using **HTML, JSP, JavaScript and XSLT**, involved in writing new JSPs, designed pages using HTML and client validation using **JavaScript and jQuery**.
- Using advanced level of HTML5, AJAX, JavaScript, CSS3 and pure CSS layouts.
- Implemented application-level persistence using **Hibernate** and **Spring**. Developed various UI (User Interface) components using JSP, and HTML.
- Developed Java Server components using **Spring, Spring MVC, Hibernate, Web Services technologies**.
- Have Used **Spring IOC** to inject the services and their dependencies in dependency injection mechanism.
- Experience in writing database objects like **Stored Procedures, Functions, Triggers, PL/SQL packages and Cursors for Oracle, SQL Server, and MongoDB**
- For **Continuous Integration (CI) and Continuous Delivery (CD),** we use GitLab and deploy it on OpenShift.
- Used **RabbitMQ** and JMS to publish a message.
- Providing support to the developers of the various teams during **production**.
- Tracking the failed test cases from the dev environment and following up with teams.
- Developed **RESTFUL web service** and hands on experience in JSON parsing and XML parsing.
- Implemented J2EE standards, MVC architecture using Spring Framework and extensively used Core Java such as **multi-threading, exceptions, and collections.**
- Interaction with Oracle database is implemented using **Hibernate**. Created Stored procedures using SQL for data modification (Using DML insert, update, delete) in Oracle.
- Implemented **Model View Controller** (MVC) Architecture based presentation using JSF framework.
- Used **Git branching** strategy for the development code.

Environment: Java, Spring Boot 2.1, Spring 5 (Spring MVC, Spring Annotations, Spring AOP), Spring MVC, JavaScript, CSS3, REST, RabbitMQ, JQuery, JMS, AJAX, JIRA, JSP, servlet, Restful webservices, S3, GIT, Data Modeling, ER Diagrams, Mockito, Junit.

Client : Acs Technologies Inc, Florence, SC   **June 2016 – Dec 2017**
Role: Java Developer

Responsibilities:

- Took part in Agile and Waterfall E-Acquisition projects in developer role.
- Configured local workspace in Eclipse IDE and implemented requirements using JSP, JSTL, EL, HTML, CSS, JavaScript, prototype, jQuery in presentation layer.
- Coded in Java Struts 1.2 + Tiles framework.
- Used Core Java, JSON, XML concepts.
- Collaborated with multiple teams in projects with other systems dependencies.
- Performed J2EE application deployment using JBoss application server on Windows and Linux.
- Provided support by troubleshooting issues. Completed post-build activities such as taking code.
- review signoffs, documenting code quality reports, merging & pushing code to different.
- development environments
- Environment: HTML, CSS, JavaScript, Prototype, jQuery, JDK1.5, JBoss (Local workspace),