



Gopal Dharavath
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Full Stack Java Developer

PROFESSIONAL SUMMARY

- **Full Stack Java Developer** with **Around 8 years of experience building scalable enterprise applications** using **Java, Spring Boot, Angular, and AWS**. Skilled in **microservices architecture, RESTful APIs, CI/CD pipelines, and cloud-native development**.
- Adept at collaborating with **cross-functional teams** to deliver **robust, maintainable, and high-performance software solutions** aligned with business objectives.
- Expertise in designing, developing, and implementing high-performing, scalable, and user-centric web applications using **modern Angular frameworks**.
- Experience developing middleware/API solutions in Agile teams, working closely with designers and product managers to build user-focused applications.
- Proven experience in creating reusable Angular components, responsive layouts, and implementing best practices such as modular architecture, lazy loading, and RxJS-based state management.
- Adept at consuming RESTful APIs and integrating back-end services with front-end components using **Angular HttpClient**.
- Including production rollouts and post support, and transitions to the support team.
- Implemented connectivity to the database using **JDBC API with Hibernate**.
- Experience in **front-end technologies, HTML, XHTML, plain JavaScript, jQuery, Dojo, Ajax, AngularJS**.
- Expertise on **SOA architecture and web services (SOAP, WSDL, UDDI)** using Apache Axis2 and RESTful web services in Java with **JAX-RS** reference implementation Jersey.
- Expertise in developing applications using **ORM** tools like Hibernate for implementing **DAO** layers using **JDBC**.
- Expertise in **Spring Boot, RESTful API development, microservices, and CI/CD pipelines**.
- Proficient in **Docker, Jenkins, and AWS services** like **EC2, S3, Lambda, RDS, API Gateway, and CloudFormation**.
- Implemented Micro Services-based Cloud Architecture on AWS Platform and Cloud Foundry.
- Microservices were being used as a strategy to gradually replace a core monolithic application while still adding business features.
- Consumed **REST-based Micro services** with Rest template based on RESTful APIs.
- Experience implementing Spring Modules like **IOC** (Dependency Injection) and **Spring Aspect Oriented Programming (AOP)**, Application Context, Spring MVC, Spring Security, Spring ORM.
- Implemented SOA architecture with web services using SOAP, WSDL, UDDI, and XML.
- Experienced in developing web-based applications using **Struts Action classes, Action forms, validation, and Tag Libraries**.
- Hands-on experience with various **Application servers and Web servers** (Web logic Application Server, Tomcat & Jetty, etc.) with a wide variety of development tools like IBM, Eclipse.
- Good experience designing databases, ORACLE 8i/9i/10g, MySQL and SQL Server.
- Good understanding of Database objects like Functions, stored procedures, and triggers on multiple database systems.



- Experienced in building **low-latency, high-volume applications** in enterprise environments.
- Parallel Strong background in **system design**, CI/CD practices, and shift-left testing strategies.
- Proficiency using Version Control Systems **CVS, GIT, and SVN**.
- Developed UI screens using FreeMarker libraries, HTML, CSS, and Java Script.
- Extensively work on logs like **Log4J** for distributed synchronized logging.
- Implemented **JUNIT** testing during the projects.
- Strong problem-solving skills, good communication, interpersonal skills, and a good team player.
- Quick learner and adaptable to new design patterns/frameworks for fast and quality development.
- Experience in Test-driven development.
- Configured WebSphere Resources like JDBC Providers, JMS providers.

TECHNICAL SKILLS

Programming Languages	Java, Core Java, J2EE, JavaScript, TypeScript, SQL, PL/SQL
Front-End Technologies	Angular (AngularJS to Angular 16), HTML5, CSS3, SCSS, Bootstrap, Angular Material, RxJS, JQuery, Dojo, AJAX
Frameworks& Libraries	Spring Boot, Spring MVC, Spring Security, Spring AOP, Hibernate, JPA, JDBC, EJB, Struts, JSF, iBatis, Apache Camel, RabbitMQ
Web Services	RESTful APIs, SOAP, WSDL, JAX-RS, JAX-WS, JSON, XML, HttpClient, OAuth 2.0, JWT
Microservices& Architecture	Microservices Architecture, Netflix OSS (Eureka, Zuul, Hystrix), Spring Cloud Gateway, API Gateway
Cloud Platforms & DevOps	AWS (EC2, S3, Lambda, RDS, CloudWatch, VPC, Route53, SQS, SNS, CloudFormation), Docker, Kubernetes, Jenkins, PCF, IBM WebSphere, Apache Tomcat, JBOSS
Databases	Oracle, MySQL, SQL Server, PostgreSQL, MongoDB, Cassandra
Build & CI Tools	Maven, Ant, Jenkins, npm
Testing Tools	JUnit, Selenium, Jasmine, Karma, Protractor, Mocha, Chai, JIRA X-RAY
Version Control Tools	Git, GitHub, Bitbucket, SVN, CVS
Methodologies	Agile (Scrum), CI/CD, TDD (Test-Driven Development)
Logging & Monitoring	Log4j, AWS CloudWatch



PROFESSIONAL EXPERIENCE:

Acentra Health, Rockville, MD
Full Stack Java Developer

March 2024– Present

Responsibilities:

- Involved in **Software Development Life Cycle** for gathering requirements, analyzing, designing, developing, and Testing applications using **Agile methodology**.
- Developed the single-page application following **Agile Scrum**, participated in daily standups, sprint reviews, and Kickoffs, and used **Jira** for project management.
- Worked with **KAFKA Zookeeper** for managing the cluster with broker/cluster technology.
- Configured **JBOSS Application server** and used **Oracle database** with **Hibernate ORM** framework, and used the functionalities of Hibernate's second-level **EHCACHE**.
- Created dynamic schema design through **NoSQL MongoDB** by writing rich queries and achieved data in a collection to be distributed across multiple systems for horizontal scalability as data volumes increase through **Sharding**.
- Worked on building Omni Channel API services used across customer-facing web and mobile platforms.
- Authenticating Users to provide security to **RESTful web services** using **OAUTH 2.0**.
- Worked on UI testing with **Karma, Jasmine, Protractor** for **Angular**, **Mocha**, and **Chai** for **React JS** and **Backbone JS**.
- Configured and managed various **AWS Services**, including **EC2, RDS, VPC, S3, Glacier, CloudWatch, CloudFront, Route53, SQS, SNS**, etc.
- Hands-on experience using **ODM frameworks** to connect asynchronous environments with **Mongoose Connector** and **Cassandra Node Driver**.
- Developed and secured **Microservices** using **Spring Boot** and **Netflix OSS** components including **Eureka, Zuul, and Spring Security**.
- Experience in building **isomorphic applications** using **React.js** and **Redux** with **GraphQL** on the server-side.
- Developed **microservices** using **Spring Boot** and integrated with **AWS Lambda, API Gateway, and RDS**.
- Built **Angular 11+ SPAs** with **reusable components, lazy loading**, and **RxJS** for state management.
- Experience in working with **GraphQL** queries and use the **Apollo GraphQL** library.
- Experience working with (consuming) **REST** or **GraphQL APIs** via client-side **JavaScript** or server-side via **NodeJS**.
- Wrote **Drool rules** in both rule flow and drooled fusion for fetching the facts from the database.
- **Kubernetes** is configured in the application for automating deployment, scaling, and management of containerized applications.
- Used **Cassandra** for storing internal statements and reports and worked extensively in Development, which includes updating and retrieving data internally from the back-end Cassandra.
- Implemented **AWS solutions** using **E2C, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups**, optimized volumes, and **EC2 instances**, and created monitors, alarms, and notifications for EC2 hosts using **Cloud Watch**.
- Experience in **Java 11** features like **Parallel Streams, Lambdas**, functional interfaces, and filters.



- Designed and developed **low-latency, high-throughput microservices** to handle real-time transactions using Kafka and Spring Boot.
- Involved in **shift-left testing** strategy by integrating early-stage test cases and continuous feedback loops in the CI pipeline using Jenkins and JIRA X-RAY.
- Participated in **system design discussions** for new microservices architecture and optimization strategies.
- Implemented a 'serverless' architecture using **API Gateway, Lambda, and DynamoDB** and deployed **AWS Lambda** code from **Amazon S3** buckets. Created a **Lambda Deployment** function and configured it to receive events from your S3 bucket.
- Designed and developed efficient user Interaction screens using **HTML5, CSS3-SASS, and Twitter Bootstrap CSS framework** and media queries to create responsive web pages.
- Developed multiple **Angular 11.0 components** that are compatible with the latest versions of **TypeScript** and Angular CLI.
- Implemented **Spring Circuit breaker** pattern, integrated **Hystrix dashboard** to monitor **Spring microservices**.
- Participated in code review and mentoring sessions and used **GIT** as version control and **GitBash** for **GIT** interactions.
- The application is built in **Micro Service Oriented Architecture** using **MEAN 4+ (Mongo, Express, Angular 8.0, and Node)** stack and developed **Single Page Applications (SPA)**.
- Programmed a **J2EE application** to manage transaction reports for **Oracle Financials Application Processes**.
- Implemented **Spring Netflix Zuul API gateway** and **Eureka service registry** for reverse proxy and Dynamic service discovery of APIs.
- Performed manual and regression testing using **JIRA X-RAY tests**, writing the scenarios.
- Responsible for migrating existing modules in **IBM MQ** to **Apache Kafka** and creating Kafka adaptors for decoupling the application dependency.
- Hands-on experience on **Dump Analysis** and thread dump common problem patterns (**Thread race, deadlock**, hanging IO calls, garbage collection / OutOfMemoryError problems, infinite looping, etc.).
- 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)**.
- Used different transformers, exception handling, testing & Security of **Mulesoft ESB** endpoint through **OAuth**.
- Implemented **Java 11** features like **Lambda expressions, Streams, filters, pipelines, Optional Interfaces**, etc.
- Worked with **Jenkins** to configure **Continuous Integration** and **Continuous Deployment (CI/CD)**.

Environment: Java, Angular 11.0, J2EE, Git, Spring Boot, Hibernate, Core Java, Rest, Web Services, CSS, Eclipse RCP, SASS, WSDL, JIRA, JMS, PostgreSQL, AWS, Spring Cloud, Spring batch, PCF, Apache JMeter, jQuery, JUnit, Docker, Maven, Jenkins.



Aon Hewitt, Charlotte, NC
Role: Java Developer

July 2023 to Mar 2024

Responsibilities:

- Participated in **Agile** development processes, engaging actively in **sprint reviews**, daily stand-ups, and retrospectives.
- Collaborated with **business analysts**, **product owners**, and **QA teams** to define and refine **system requirements and technical specifications**.
- Developed core **Java** modules using **OOP principles**, **Collections Framework**, **Exception Handling**, and **multi-threading**.
- Developed **asynchronous APIs** using Completable Future and multi-threading to improve the performance and scalability of payment systems.
- Designed and developed **RESTful services** using **JAX-RS** to enable seamless communication with **external payment systems**.
- Created and maintained **web services** for **financial transaction processing** and **reporting**.
- Leveraged **Spring MVC** and **Spring Boot** for the development of robust backend services.
- Involved in designing and implementing **business logic** through **POJOs** and **EJBs** in the service layer.
- Designed and executed complex **SQL queries** and **stored procedures** for data retrieval and **transaction validation**.
- Optimized **database performance** by tuning **SQL queries** and ensuring smooth integration between **Java applications** and **Oracle DB**.
- Developed **batch processing** components to handle **large-scale data processing** tasks, ensuring **high availability** and **fault tolerance**.
- Performed **unit testing** with **JUnit** and integrated testing using **Selenium** to verify the stability of new enhancements.
- Deployed applications on **Apache Tomcat** and **WebLogic** servers, ensuring seamless production deployment and operation.
- Utilized **Jenkins** for **Continuous Integration/Continuous Deployment (CI/CD)** and managed code deployments using **Maven**.
- Contributed to the development of **authentication services** using **OAuth** and integrated them with **RESTful services**.

Environment: Java, J2EE, Spring MVC, Spring Boot, Hibernate, JAX-RS, RESTful APIs, Maven, Jenkins, JUnit, Selenium, WebLogic, Oracle DB, PL/SQL, GIT, Agile (SCRUM), Apache Tomcat, AWS, Log4j



Persistent Systems, Pune, India
Java/J2EE Developer

July 2019 to Aug 2022

Responsibilities:

- Worked on Agile, SCRUM development methodology, and built the application with **Test Driven Development (TDD)**.
- Created **Class diagrams**, **Sequence diagrams**, and **Activity Diagrams** for better design representation.
- Developed and enhanced middleware components using **collections**, **generics**, **object serialization**, and **multi-threading** using **Java** and core **Java design patterns**.
- Addressed cross-browser issues related to the front end created using **JavaScript**, **CSS**, **HTML**, and **Node.js**.
- Designed **User Interface** using **Java Server Faces (JSF)**, **PrimeFaces**, **HTML5**, **CSS3**, **jQuery**, and **AngularJS** in a responsive grid layout.
- Involved in the design of applications using **J2EE**, following the **Model/View/Controller (MVC)** design pattern.
- Worked on various **J2EE Design Patterns** such as **Front Controller**, **Session Façade**, and **Value Object**.
- Integrated **Ajax**, **JSTL**, and **JavaScript** for front-end design and dynamic user interaction.
- Utilized **jQuery UI Mobile** for **frontend development** to improve user experience.
- Designed and developed **Restful Web Services** using the **Spring framework**.
- Used **Node.js** for server-side code and **Express.js** as the framework, writing callback functions for **RESTful APIs**.
- Implemented **client-side validations** for **DOJO** and **XML** files for validating values during various events.
- Configured **XML files** for Open Source **Spring 3 Framework** to implement the **Proxy Pattern**.
- Implemented **Java EE** components using **Spring MVC**, **Spring IOC**, **Spring transactions**, and **Spring security** modules.
- Leveraged **Spring IO / Spring Boot**, **Thymeleaf**, and **Hibernate ORM** to implement core application functionality.
- Configured **Hibernate mapping files/annotations** and **POJO objects** for database interaction.
- Used **JMS** for the **Pay Bills module** for messaging and transaction handling.
- Integrated microservices using **Apache Camel** and **RabbitMQ** for messaging exchanges.
- Used **Java 8 features** like **streams**, **Lambda expressions**, and **functional interfaces** for more concise code.
- Developed a **Mailer class** using the **javamail API** to send emails to recipients and ensure reliable email communication.

Environment: Java, J2EE, HTML, JavaScript, JSF, XML, JNDI, JMS, SVN, jQuery, Maven, Eclipse, Hibernate, Selenium, JUnit 4.0, Log4j, JBPM, Dojo, Ajax, MongoDB, WebLogic Application Server 8.1.



HSBC, India
Java Developer

June 2016 to June 2019

Responsibilities:

- Implemented responsive web-based applications using **HTML5, CSS3, JavaScript**, and **jQuery**.
- Configured **Struts-config.xml**, **Tiles-def.xml**, and various properties files provided by the **Struts Framework** for the implementation module.
- Deployed the application on the Client **Linux server**.
- Designed a mailing application to send notifications to **Oracle** users to start the following workflow.
- Experience in installing, configuring, and deploying applications on **WebLogic Server**.
- Used **Multithreading** concept to post data from files to tables involving the transformation of files from one format to another.
- Developed web applications using **Struts**, **Spring**, and **iBatis** frameworks.
- Extensively used **Struts tag libraries** (Bean Tags, Logic Tags, HTML Tags, etc.) and **Custom tag libraries**.
- Worked with **Log4J** to capture logs that include runtime exceptions.
- Developed SCM by using **JSP/HTML** for each user interface. **Servlets'** standard validations were used as the controllers for business logic, and **JDBC** and **XML parsing techniques** were used with **MVC**.
- Used **ANT build tool** for compiling and generating war files.
- Developed a **DAO pattern** to retrieve data from the database.
- Implemented **IBM WebSphere Application Server** to deploy the application.
- Managed the **bean lifecycle** by utilizing **Spring IOC**, which keeps session information about beans.

Environment: Core Java, J2EE, JSP, HTML, MVC, Servlets, Struts, JMS, MDB, EJB3.1, JUnit, PL/SQL, DAO, WebLogic Server, Ant, SOAP, JAX-WS, WSDL, JUnit, SQL.