Sri Durga

+1 945 241 5363 **durgasri5363@gmail.com**

PROFESSIONAL SUMMARY

- Overall, 6 years of experience in the IT industry involving analysis, design, implementation and integration of large client-server and web-based applications.
- Experienced in **Java**, **Spring Boot**, **Spring MVC**, **Hibernate**, **Microservices**, **Spring Reactive**, **Spring AOP**, and front- end frameworks like **React** and **Angular**.
- Proficient in **Object-Oriented Analysis and Design (OOAD)** principles, utilizing **Agile/SAFe** methodologies.
- Extensive experience in **multithreading and concurrency** in Java to build high-performance, thread-safe applications and improve resource utilization.
- Proficient in designing and implementing **RESTful APIs** with robust exception handling, validation, and security best practices
- Skilled in leveraging **Generative AI** tools such as **GitHub Copilot** and **ChatGPT** for code generation, refactoring, API documentation, and embedding **OpenAI** APIs into enterprise applications.
- Strong background in **CI/CD (Continuous Integration/Continuous Deployment)** automation, leveraging **Jenkins**, **GitHub**, **GitLab**, and **SonarQube** to streamline deployments.
- Experienced in cloud platforms like **AWS, Microsoft Azure** and **GCP**, with knowledge in deploying scalable applications using **Docker** and **Kubernetes**.
- Skilled in troubleshooting and debugging enterprise applications, ensuring optimal performance.
- Good knowledge of relational databases like **PostgreSQL**, **Oracle**, **PL/SQL**, and **NoSQL** databases like **MongoDB**.
- Utilized **Linux/Unix** environments for application deployment and shell scripting.
- Strong advocate of **prompt engineering** and **AI-assisted development** workflows to boost automation.

KEY SKILLS

Programming: Java, Python, C++.

Frameworks/Platforms: Spring Boot, Hibernate, J2EE, .Net

Frontend: HTML5, CSS3, JavaScript, AngularJS, React.

Databases: MySQL, NoSQL, MongoDB, DB2.

Cloud: AWS**,** Microsoft Azure, GCP.

Devops / CI-CD: Docker, Jenkins, GitHub, Gitlab, Bitbucket, SonarQube, Kubernetes.

AI Tools: GitHub Copilot, OpenAI APIs, ChatGPT, Prompt Engineering.

Testing Tools: JUnit, Postman, Swagger, ServiceNow, Jira.

Version Control: Git, GitHub, Bitbucket.

Methodologies: Agile, Scrum, Waterfall.

PROFESSIONAL EXPERIENCE

Full Stack Java Developer | BNY | NY **Jul 2025 – Current**

- Followed **Agile** methodology to handle requirement analysis, development, testing, and deployment.
- Interacted with product owners, creating functional and non-functional requirements for the product using **JIRA**, Confluence, Microsoft Excel, Word, and Power Point.

- Modernized legacy systems by migrating to **Spring Boot** based **Microservices**, improving system modularity and reducing downtime by 30%
- Crafted **RESTful APIs** within distributed microservices architecture using Spring Boot and Java.
- Leveraged **Spring Boot's** auto configuration and starter dependencies to accelerate microservices development and simplify application setup.
- Implemented **Spring Boot Actuator** to monitor application health, metrics, and enable real-time performance tracking across microservices.
- Configured **Spring Boot profiles** to manage environment specific configurations, improving deployment flexibility and reducing configuration errors.
- Integrated **Apache Kafka** for real-time, fault-tolerant message streaming between microservices.
- Developed dynamic UI screens using **Angular** and optimized performance with **NPM** components, reducing load times by 35%.
- Integrated **JWT** authentication with **Okta**, strengthening application security by 45%.
- Configured **Splunk** for log monitoring and real-time debugging, improving system observability by 50%.
- Implemented **IBM MQ** for reliable message queuing and asynchronous communication between microservices.
- Deployed **Docker** containerized microservices to **AWS** and **Kubernetes** using **Jenkins** pipelines, improving deployment speed by 50%.
- Deployed and managed microservices on **AWS ECS (Elastic Container Service)** and **EC2** instances, reducing downtime by 45%.
- Integrated **AWS RDS** and **S3** to optimize image handling and data storage, improving performance by 25%.
- Utilized **Maven** for dependency management and **Gradle** for optimized multi-module builds, ensuring faster compilation and streamlined build automation.
- Used **Git** for version control, integrating with Jenkins for automated builds and deployments.

Research Assistant | UCMO, MO **Sep 2023 – May 2025**

- Collaborated research software lifecycles in **Agile methodology**, tracking experiments and iterations using **JIRA** and **Confluence**.
- Developed **Java** based research applications**,** supporting faculty projects in **data-driven computing** and system simulations.
- Implemented **RESTful APIs** with **Spring Boot** and **JAX-RS**, supporting data exchange across multiple applications.
- Worked with **Hibernate** and **JPA ORM** for data persistence, improving database operations and reducing boilerplate **SQL** code.
- Applied **Java Multithreading** and **Concurrency APIs** to build efficient prototypes for parallel data processing and simulation workflows.
- Utilized **Java Streams** and **Lambda expressions** to process large research datasets with cleaner, more maintainable code.
- Integrated **Apache Kafka** for streaming data pipelines**,** handling real-time ingestion and analysis of the logs.
- Designed modular research frameworks using **Object-Oriented Programming (OOP) principles** and implemented **design patterns** (**DAO, Singleton, Factory**) for code reuse.
- Applied Java-based testing frameworks **(JUnit, Mockito)** to validate experimental models and ensure reproducibility.
- Developed dynamic web interfaces using **JSP**, **Servlets**, and **JSTL**, enabling interactive visualization of Data.
- Utilized **HTML5**, **CSS3**, and **JavaScript** frameworks to design responsive front-end modules, improving the usability of research applications across devices.
- Created **XML** and **XSLT** based views for structured data presentation, supporting exchange of experimental findings between research teams.
- Integrated **AJAX** with **JSP** and **Servlets** to provide real-time updates in web-based research dashboards without full page reloads.
- Optimized data storage and retrieval by integrating **PostgreSQL** with Hibernate/JPA, leveraging indexing and query tuning to improve performance of research applications.
- Configured and deployed Java web applications on **Apache Tomcat** and **JBoss**, enabling stable hosting of research prototypes.

Full Stack Java Developer | Accenture | Client: KeyBank **June 2022 – July 2023**

- Developed a **Microservices** based application using **Spring Boot** and **Kotlin**.
- Developed and deployed **GraphQL APIs** using **Node.js**, improving payment processing efficiency by 30%.
- Implemented **Spring Security** to enforce role-based access control and protect sensitive endpoints across microservices.
- Integrated **Spring Boot Actuator** with **ELK Stack** to provide detailed health checks and application metrics.
- Utilized **Apache Kafka** for real-time data streaming, improving data processing efficiency.
- Implemented a fully automated CI/CD pipeline using **Azure Repos** for version control, **Azure Pipelines** for continuous integration and automated builds, and **Azure DevOps** for orchestration, enabling seamless code deployment and faster release cycles.
- Integrated **MongoDB (NoSQL)** with microservices, optimizing data storage and retrieval efficiency.
- Implemented **Maven** for managing project dependencies and Gradle for efficient build execution, enabling consistent builds across environments.
- Developed unit and integration tests using **JUnit** and **Mockito**, achieving over 85% code coverage.
- Developed responsive user interfaces with **Angular**, **HTML5**, and **CSS3**, enabling seamless interaction with microservices and improving user experience across devices.
- Optimized frontend performance using **lazy loading**, **AOT compilation**, and **NPM libraries**, reducing application load times by 30% and improving overall responsiveness.
- Integrated **Redis** caching layer to improve data retrieval speed and reduce database load by 40%.
- Optimized **SQL** and **NoSQL** queries to improve application performance and reduce response time by 25%.
- Designed and implemented asynchronous communication patterns using **RabbitMQ,** enhancing message reliability and system decoupling.
- Conducted comprehensive API documentation and testing using **Swagger**, improving collaboration and reducing integration errors.
- Used **GitHub** for version control and collaboration through branching and pull requests.

Full Stack Java Developer | Cognizant | Client: Royal Bank of Canada **Dec 2019 – June 2022**

- Built and Deployed **Java/J2EE** application to a web application server in a **continuous integration** environment.
- Integrated **Spring Boot** with **Oracle DB** using **Hibernate**, optimizing data persistence.
- Developed and optimized **PL/SQL** procedures and packages for complex data processing.
- Optimized **React.js** components, enhancing front-end performance and reducing load times.
- Developed **React** POC for new modules to create reusable components and a sample dashboard for providing admin functionality of the app.
- Developed **SOAP** and **RESTful web services** using **Web Service tools** and documented **APIs** with **Swagger UI.**
- Validated **Restful** Service call response in **JSON** formatted data, different http status code like 200, 201, 400, 500, etc
- Automated **CI/CD** pipelines using **Jenkins** with **Maven** and **Gradle**, improving deployment efficiency by 50%.
- Deployed scalable Java applications on **GCP** using **GKE** and **Cloud Run**, ensuring high availability.
- Automate tasks and workflows on **GCP** using tools like **Cloud SDK, Cloud Shell, and Google Cloud Functions.**
- Development code is handled on **GitLab** and **GitHub** repositories and deployment process to the higher environments is done through the **Jenkins** pipeline.
- Extensively used **JUnit and BDD** for unit testing, integration testing.
- Developing Automated Scripts for End-to-End scenarios defined by product owner.
- Collaborated with cross-functional teams using **Agile/Scrum** practices to deliver features iteratively and improve product quality.

EDUCATION

Master of Computer Science, University of Central Missouri, MO

Bachelor of Technology, JNTUK, India