

Laya Aluri

Results-oriented Backend Developer with over 4 years of professional experience designing and building scalable, high-performance Java-based microservices and backend systems. Proficient in Spring Boot, Hibernate, and RESTful APIs with strong knowledge of multithreaded programming, caching strategies, and real-time messaging systems. Skilled in SQL and NoSQL databases, including MongoDB, Couchbase, and Redis. Adept in Agile environments, CI/CD pipelines, and test-driven development. Committed to writing clean, maintainable code and ensuring robust system architecture for enterprise-grade applications.

✉ layaaluri22@gmail.com ☎ (813) 290-1018 📍 Tampa, FL

WORK EXPERIENCE

JSMN International Inc., New Jersey

Java Backend Developer Jun 2024 - Present

- Designed and implemented backend microservices using **Java, Spring Boot, and Hibernate** in a service-oriented architecture.
- Developed RESTful APIs and integrated **Redis caching** for high-performance data retrieval.
- Built and maintained **CI/CD pipelines** using Jenkins and Gradle.
- Monitored microservices with **AWS CloudWatch** and improved response times by 25%.
- Automated backend testing using **JUnit** and **TestNG**, achieving 90%+ coverage.
- Deployed applications on **Kubernetes (EKS)** using Docker containers.
- Participated in code reviews to maintain coding standards and enhance team productivity.
- Refactored legacy code for better maintainability and reduced code issues.

Netenrich, Inc., India

Backend Engineer Jan 2021 - Aug 2022

- Built scalable microservices with **Spring Boot** applying design patterns like Singleton, Factory, and MVC.
- Managed backend data interactions using **MongoDB** and **Couchbase**.
- Created API test suites with **REST Assured**, reducing production defects by 30%.
- Streamlined asynchronous communication using **Apache Kafka**.
- Participated in Agile planning and backend peer code reviews.
- Conducted performance tuning and optimization of backend APIs.
- Integrated external RESTful services and handled complex data transformations.
- Designed authentication and authorization modules using Spring Security.

SHRIS INFOTECH SERVICES PVT LTD, India

Back End Developer Jan 2019 - Dec 2020

- Developed robust **ETL pipelines** and microservices for backend processing in Java.
- Integrated **Apache Kafka** for real-time streaming workflows.
- Designed fault-tolerant systems with circuit breakers and fallback strategies.
- Implemented **automated test frameworks** and reduced release cycles by 20%.
- Deployed and monitored backend systems using **AWS EC2, S3, and RDS**.
- Designed and developed database schemas and queries for SQL and NoSQL databases.
- Improved system observability with custom metrics and logging mechanisms.
- Collaborated with frontend teams to define API contracts and ensure data integrity.

EDUCATION

University of Tampa, Tampa

Master of Science (M.S.) in Information Technology - 3.16 Aug 2022 - May 2024

SKILLS

- **Languages:** Java (8, 11, 17), JavaScript, TypeScript, SQL
- **Frameworks:** Spring Boot, Spring MVC, Hibernate, Kafka, RESTful APIs, Microservices
- **Web Technologies:** React, HTML, CSS, JavaScript
- **Databases:** SQL Server, Oracle, MongoDB, Couchbase, DynamoDB, Redis, Cassandra (familiar)
- **Messaging Systems:** Kafka, RabbitMQ
- **DevOps & Tools:** Jenkins, Gradle, Maven, Git, Docker, Kubernetes, Webpack, SonarLint
- **Cloud Platforms:** AWS (EC2, S3, Lambda, RDS, CloudWatch, EKS)
- **Testing & Automation:** JUnit, TestNG, REST Assured, Selenium, Jest
- **Design & Methodologies:** OOP, Design Patterns, MVC, Clean Architecture, Agile/Scrum, TDD/BDD, Performance Tuning

CERTIFICATE

AWS Certified Developer – Associate 