

Ahmedunissa

Full Stack Developer | Java | Spring Boot | Microservices | AWS | REST APIs

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United States | Open to Relocation & Remote

PROFESSIONAL SUMMARY

Full Stack Java Developer with 4+ years of experience delivering backend-heavy applications in banking and healthcare. Comfortable across the full stack – microservices, REST APIs, GraphQL, and AWS deployments – while contributing to Angular and React frontends. Experienced in Agile/Scrum teams and hands-on with AI integration using OpenAI APIs, Spring AI, and LangChain to streamline real-world workflows. Strong ownership of code quality, design decisions, and documentation.

TECHNICAL SKILLS

Languages: Java 21 (LTS), Java 8, Java 11, Java 17, SQL, Python

Frontend: Angular, React, HTML, CSS, JavaScript

Backend: Spring Boot, Spring MVC, Spring Security, Spring AI, Spring Batch, Hibernate, JPA, REST APIs, GraphQL, gRPC

Messaging and Cache: Apache Kafka, RabbitMQ, Redis

Databases: Oracle DB, PostgreSQL, MySQL, MongoDB

Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, EKS, API Gateway), Docker, Kubernetes, Jenkins, GitHub Actions, CI/CD Pipelines, Terraform

Healthcare: HL7, FHIR

AI/ML: OpenAI API, Spring AI, LangChain, RAG, FAISS, ChromaDB, Prompt Engineering

Architecture: Microservices, Circuit Breaker, Resilience4j, Design Patterns

Testing and Observability: JUnit, Mockito, Testcontainers, Prometheus, Grafana, AWS CloudWatch

Security: OAuth2, JWT, Spring Security

Tools and Methodologies: Git, GitHub, Maven, JIRA, Postman, IntelliJ, Agile, Scrum, SDLC

PROFESSIONAL EXPERIENCE

Full Stack Developer, TechTiera

08/2025 – Present | FL, USA

- Designed and developed **microservices** using **Spring Boot** to support **high-volume financial transactions**; built and optimized **15 plus REST APIs** and **GraphQL** endpoints, improving response times by **approximately 30 percent**.
- Set up **Kafka**-based event streaming between services, replacing synchronous calls and improving resilience; implemented **Circuit Breaker** patterns using **Resilience4j** to handle downstream failures gracefully.
- Integrated **OpenAI** and **Spring AI** to automate document processing workflows; added **Redis** caching for frequently accessed data, reducing database load under peak traffic.
- Containerized applications with **Docker** and deployed on **AWS (EKS, S3, Lambda, API Gateway)**; reduced deployment time by **40 percent** through **Jenkins** and **GitHub Actions CI/CD pipelines**.
- Implemented **OAuth2** and **JWT** authentication; wrote **JUnit**, **Mockito**, and **Testcontainers** tests to maintain reliability; contributed to **Angular** UI components integrated with backend services.
- Participated in daily Agile standups, sprint planning, and code reviews; contributed to design discussions and technical documentation.

Technologies: Java 21, Spring Boot, Spring AI, GraphQL, Kafka, Redis, Resilience4j, AWS (EKS, S3, Lambda, API Gateway), Docker, Kubernetes, Angular, MySQL, Jenkins, GitHub Actions

Java Developer, University of Central Oklahoma (UCO)

01/2024 – 05/2025 | OK, USA

- Developed REST and **GraphQL** APIs using **Spring Boot** for a university library system serving **1,000 plus users**; gave frontend teams more flexible data access without adding complexity to the backend.
- Optimized Oracle **PL/SQL** queries, reducing execution time by **approximately 40 percent** during peak usage; migrated legacy modules to a **microservices**-based structure, improving maintainability and scalability.
- Enhanced **React** frontend components based on user feedback; gathered requirements from library staff and translated them into clear technical specifications for the development team.
- Worked in an **Agile Scrum** environment, collaborating across teams to deliver features on schedule.

Technologies: Java 21, Spring Boot, REST APIs, GraphQL, Spring Data JPA, Oracle DB, PL/SQL, React, Maven, Git, Postman

**Systems Engineer (Java Developer),
Infosys - Client: BioMarin Pharmaceutical**

12/2021 – 07/2023 | Hyderabad, India

- Built backend services in **Spring Boot** for a healthcare client supporting large-scale data processing; worked on **HL7** and **FHIR** integrations to enable seamless data exchange between systems.
- Developed **Spring Batch ETL** pipelines to handle large scheduled data volumes reliably; optimized **PL/SQL** queries, improving data processing efficiency by **approximately 35 percent**.
- Supported production systems by debugging issues and reducing system downtime across critical healthcare workflows.

Technologies: Java 8, Spring Boot, Spring Batch, Spring MVC, Hibernate, Oracle DB, HL7, FHIR, PL/SQL, ETL, JDBC, Maven, Git, Linux

Junior Java Developer, Verinon Technologies

01/2020 – 11/2021 | Hyderabad, India

- Developed backend modules using Java, **Spring MVC**, and Hibernate for enterprise applications; built frontend components with HTML, CSS, and JavaScript, improving UI responsiveness.
- Collaborated in **Agile Scrum** teams, contributed to design discussions, and delivered features consistently on schedule.

Technologies: Java 8, Spring MVC, Hibernate, HTML, CSS, JavaScript, React, MySQL, Oracle DB, JDBC, Maven, Git

PROJECTS

AI Syllabus Chatbot

05/2024

- Built a **RAG-based** AI chatbot using **OpenAI**, **Spring AI**, and **LangChain** for intelligent document querying; designed semantic search pipelines using **FAISS** and **ChromaDB** vector embeddings; **FastAPI** backend for document ingestion and **React** frontend for the UI.

Fog Computing-Based Process Management System

03/2021

- Developed a web-based system to manage and analyze data flow in large-scale industrial environments with modular components connected to a centralized database. Led a 3-member team from requirements through delivery.

Liver Disease Prediction System

10/2020

- Built a **machine learning** web application that analyzes patient data to predict liver disease; developed backend prediction APIs and a clean results interface for clinical users.

EDUCATION

Master of Science - Computer Science, University of Central Oklahoma

08/2023 – 05/2025 | Oklahoma, USA

Specialization: Full Stack Development

**Bachelor of Technology - Computer Science,
Aurora's Technology & Research Institute**

08/2017 – 07/2021 | Hyderabad, India

CERTIFICATIONS

- Oracle Certified Foundations Associate - Oracle University
- AWS Cloud Practitioner - Amazon Web Services

KEY ACHIEVEMENTS

- Improved API response times by **approximately 40 percent** across multiple applications through optimization and caching strategies.
- Reduced deployment time by **40 percent** by building and maintaining **CI/CD pipelines** using **Jenkins** and **GitHub Actions**.
- Built scalable **microservices** handling **high-volume financial transactions** with secure **OAuth2** and **JWT** authentication.
- Delivered hands-on AI integrations using **OpenAI** and **Spring AI** across multiple production workflows.