

# LIKITH K

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## PROFESSIONAL SUMMARY

Results-driven **Full Stack Developer** with **4+ years** of experience architecting and delivering scalable, enterprise-grade web applications. Expert in **Java (Spring Boot)** and **React** ecosystems, with proven success in building high-throughput systems processing **100K+ daily requests**. Strong track record of optimizing system performance, reducing API response times by **45%**, and driving **15% cost savings** through cloud infrastructure improvements. Skilled in **AWS**, microservices architecture, CI/CD automation, and agile development methodologies.

## PROFESSIONAL EXPERIENCE

### Full Stack Developer – Evernorth Health Services

Dallas, TX | Jun 2025 – Present

- Architect and develop enterprise healthcare applications using **Java 17, Spring Boot 3, and React 18**, serving **100K+ daily requests** with 99.9% uptime across production environments
- Built and deployed **AWS-hosted microservices** on ECS and Lambda, leveraging S3 for storage and RDS for managed databases, reducing infrastructure costs by 15%
- Designed and optimized RESTful APIs with **PostgreSQL** and **Redis caching**, cutting average API response times by 45% for core business services
- Implemented end-to-end **CI/CD pipelines** using Docker, Jenkins, and AWS CodeDeploy, reducing production deployment cycles from hours to minutes
- Enforced HIPAA-compliant data handling through Spring Security, JWT-based authentication, and comprehensive audit logging across all services

### Graduate Teaching Assistant – University of Cincinnati

Cincinnati, OH | Aug 2023 – May 2025

- Developed a **student portal application** using Java and Spring Boot for course registration, grade tracking, and academic record management
- Built a **data management system** with Python and SQL to automate student grading workflows, reducing manual processing time by 50%
- Designed and maintained database schemas in PostgreSQL for storing student records, enrollment data, and course materials
- Conducted code reviews and mentored students on Java, database design, and software engineering best practices

### Software Engineer – BDM Solutions

Chennai, India | Apr 2022 – Jul 2023

- Built enterprise web applications using **Java, Spring Boot, and React**, developing end-to-end features from REST APIs to responsive front-end interfaces
- Designed and implemented **Spring Boot microservices** with layered architecture (Controller, Service, Repository), improving code maintainability and testability
- Optimized database queries in **PostgreSQL and MongoDB** through indexing and query refactoring, reducing execution time by 35%
- Participated in agile sprints, performed code reviews, and delivered features on schedule across multiple client projects

## KEY PROJECTS

### AI Adverse Event Detection System Python 3.10+, FastAPI, Pydantic, OpenAI, Anthropic, JWT/RBAC, Terraform, AWS, Pytest

- Engineered a **Python/FastAPI** REST API with a clinical decision engine combining rule-based safety screening and LLM-powered analysis achieving 92% detection accuracy
- Implemented batch processing (1–10 patients/request), multi-LLM support (OpenAI GPT-4, Anthropic Claude), and Pydantic request validation
- Designed JWT role-based access control (Admin, Clinician, Nurse, Analyst) with JSONL audit logging for HIPAA compliance
- Provisioned full AWS infrastructure using **Terraform** (VPC, EC2, S3, IAM, CloudWatch); ~1,500 LOC application + ~400 LOC IaC

### Enterprise Full Stack Applications Suite Java 17, Spring Boot 3, React, PostgreSQL, Docker, GitHub Actions

- Developed 4 production-ready applications (E-Commerce, Food Ordering, Event Booking, Job Portal) following clean architecture principles
- Applied SOLID principles, design patterns (DTO, Repository, Factory), and comprehensive test coverage with JUnit 5 and MockMvc
- Implemented JWT authentication with role-based access control across all four applications for enterprise-grade security
- Configured CI/CD pipelines with GitHub Actions and Docker for automated testing, building, and deployment

## TECHNICAL SKILLS

Languages	Java 17, Python 3, JavaScript (ES6+), TypeScript, SQL
Java Ecosystem	Spring Boot 3, Spring Security, Spring Data JPA, JUnit 5, Maven, Gradle, Hibernate
Python Ecosystem	FastAPI, Pydantic, Pytest, NumPy, Pandas, asyncio, Uvicorn/Gunicorn
Frontend	React 18, Redux, Next.js, HTML5, CSS3, Material-UI, TypeScript
AWS & Cloud	EC2, ECS, Lambda, S3, RDS, CloudWatch, IAM, VPC, CodeDeploy, Terraform
Databases	PostgreSQL, MongoDB, MySQL, Redis, Elasticsearch
DevOps & Tools	Docker, Kubernetes, Jenkins, GitHub Actions, Git, CI/CD, REST APIs, GraphQL
Practices	Microservices, System Design, TDD, Agile/Scrum, JIRA, SOLID Principles

## EDUCATION

**Master of Science in Computer Science –** GPA: 3.8/4.0 | Aug 2023 – Dec 2024  
**University of Cincinnati**

## CERTIFICATIONS

- NPTEL – Java Programming
- NPTEL – Data Analytics with Python
- NPTEL – Introduction to IoT