

# 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 calls by **45%**, and driving **15% cost savings** through architectural improvements. Skilled in microservices, cloud infrastructure (AWS), CI/CD automation, and agile 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**, supporting **100K+ daily requests** with 99.9% uptime SLA
- Consolidated multiple business logics into a unified Product API, **reducing API calls by 45%** and eliminating code duplication across 12+ client applications
- Designed and optimized RESTful microservices with **PostgreSQL** and **Redis caching**, achieving **15% cost reduction** in cloud infrastructure
- Implemented robust CI/CD pipelines using **Docker, Jenkins, and AWS (ECS, Lambda, S3)**, reducing deployment time by 60%
- Ensured HIPAA compliance through secure coding practices, JWT authentication, and comprehensive audit logging

### Graduate Teaching Assistant | University of Cincinnati

Cincinnati, OH | Aug 2023 – May 2025

- Developed and maintained Java-based academic applications and course management tools, improving system performance by 30%
- Automated data processing and grading workflows using **Python and SQL**, reducing manual processing time by 50%
- Supported lab infrastructure and development environments for graduate-level CS courses
- Collaborated with faculty to design and deploy software engineering curriculum tools and assignments
- Conducted code reviews and provided technical guidance on Java, databases, and best practices

### Software Engineer | BDM Solutions

Chennai, India | Apr 2022 – Jul 2023

- Built end-to-end web applications using **Java, Spring Boot, React, and Node.js**, delivering 15+ features from UI to backend
- Designed scalable RESTful APIs improving backend response time by 40% through caching and query optimization
- Developed responsive UIs with React, Redux, and Material-UI ensuring cross-browser compatibility and accessibility compliance
- Optimized database queries in **PostgreSQL and MongoDB**, reducing query execution time by 35%
- Participated in agile ceremonies, code reviews, and sprint planning to ensure on-time delivery

## KEY PROJECTS

### AI Adverse Event Detection System

Python 3.10+, FastAPI, Pydantic, OpenAI, Anthropic, JWT/RBAC, Terraform, AWS (EC2, S3, CloudWatch), Pytest

- Built a **Python/FastAPI** REST API with clinical decision engine: rule-based safety screening (e.g. low O2, hypotension) and LLM analysis for adverse event detection (92% accuracy)
- Implemented batch processing (1–10 patients/request), multi-LLM support (OpenAI GPT-4 / Anthropic Claude / Mock), and Pydantic request/response validation
- Designed audit logging (JSONL) and JWT role-based access (Admin, Clinician, Nurse, Analyst) for compliance
- Deployed on AWS via **Terraform** (VPC, EC2, S3, IAM, CloudWatch, SSM for API keys); ~1,500 LOC app + ~400 LOC IaC
- Test suite with Pytest; async HTTP (`httpx/aiohttp`), retry logic (tenacity), Uvicorn/Gunicorn for production

### Enterprise Full Stack Applications Suite

Java, Spring Boot, React, PostgreSQL, Docker, GitHub Actions

- Developed 4 microservices-ready applications (E-Commerce, Food Ordering, Event Booking, Job Portal) demonstrating clean architecture
- Implemented SOLID principles, design patterns (DTO, Repository, Factory), and comprehensive testing (JUnit 5, MockMvc)
- Built JWT authentication and RBAC across all applications for enterprise-grade security
- Configured CI/CD pipelines with GitHub Actions and Docker for automated build and deployment
- Delivered 100% JavaDoc coverage and consistent API design across all services

## TECHNICAL SKILLS

**Languages:** Java 17, JavaScript (ES6+), TypeScript, Python, SQL

**Backend:** Spring Boot 3, FastAPI, Pydantic, Spring Security, Node.js, REST APIs, GraphQL

**Frontend:** React 18, Redux, Next.js, HTML5, CSS3, Material-UI

**Databases:** PostgreSQL, MongoDB, MySQL, Redis, Elasticsearch

**Cloud & DevOps:** AWS (EC2, ECS, Lambda, S3, RDS), Docker, Kubernetes, Jenkins, Terraform

**Tools & Practices:** Git, GitHub Actions, JIRA, Agile/Scrum, TDD, Microservices, System Design

## EDUCATION

Master of Science in Computer Science | University of Cincinnati

GPA: 3.8/4.0 | Aug 2023 – Dec 2024

## CERTIFICATIONS

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- NPTEL – Java Programming
- NPTEL – Data Analytics with Python
- NPTEL – Introduction to Internet of Things