

# 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), Python, and React ecosystems, with proven success in building high-throughput systems processing 100K+ daily requests. Strong track record of optimizing API response times by 45% and driving 15% cost savings through AWS cloud infrastructure improvements. Skilled in serverless architecture, microservices, 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, 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

### 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 PostgreSQL database schemas for student records, enrollment data, and course materials

### 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 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%

## KEY PROJECTS

### Serverless Expense Approval Workflow

TypeScript, AWS Lambda, Step Functions, API Gateway, DynamoDB, Terraform

- Designed a serverless expense approval pipeline using AWS Lambda, Step Functions, API Gateway, and DynamoDB that validates, screens, and auto-approves employee expense claims
- Built parallel execution branches in Step Functions for policy enforcement and rule-based fraud detection with a risk scoring engine (0–100 scale)
- Provisioned all AWS infrastructure using Terraform with least-privilege IAM policies; system operates entirely within AWS Free Tier limits

### 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% accuracy
- Implemented batch processing, multi-LLM support (OpenAI GPT-4, Anthropic Claude), and JWT role-based access control for HIPAA compliance
- Provisioned full AWS infrastructure using Terraform (VPC, EC2, S3, IAM, CloudWatch); ~1,500 LOC app + ~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 and SOLID principles
- Implemented JWT authentication, RBAC, design patterns (DTO, Repository, Factory), and comprehensive testing with JUnit 5 and MockMvc
- Configured CI/CD pipelines with GitHub Actions and Docker for automated testing, building, and deployment across all services

## TECHNICAL SKILLS

Languages	Java 17, Python 3, TypeScript, JavaScript (ES6+), 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	Lambda, Step Functions, API Gateway, DynamoDB, EC2, ECS, S3, RDS, CloudWatch, IAM, Terraform
Databases	PostgreSQL, MongoDB, MySQL, DynamoDB, Redis, Elasticsearch
DevOps & Tools	Docker, Kubernetes, Jenkins, GitHub Actions, Git, CI/CD, REST APIs, GraphQL
Practices	Serverless Architecture, Microservices, System Design, TDD, Agile/Scrum, SOLID Principles

## EDUCATION

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

## CERTIFICATIONS

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