

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