

# LIKITHA VINJAM

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## PROFILE SUMMARY

Versatile **Full-Stack Java Developer** with over **4 years** of experience building enterprise-grade web applications across fintech, healthtech, and AI-enhanced platforms. Skilled in developing modular, cloud-native solutions using Java (8+), Spring Boot, React & Angular, and GraphQL.

### Key Highlights:

- Expertise in microservices design, API integrations, and performance optimization, with hands-on contributions to cloud migration (Azure, AWS), CI/CD automation, and secure authentication workflows (JWT, OAuth 2.0).
- Adept at adapting to cross-functional environments, from implementing regulatory compliant frontends in Angular to collaborating on RAG-based AI prototypes using LangChain and Azure OpenAI.
- Known for delivering robust, scalable code in Agile teams, and bridging back-end logic with intuitive, responsive UI experiences.

## TECHNICAL SKILLS

**Programming Languages:** Java (Core, 8+), XML, JavaScript (ES6+), TypeScript, SQL, Python (basic), Bash, Shell Scripting.

**Frameworks & Libraries:** Spring Boot, Spring MVC, Hibernate, JPA, React.js / Next.js, Angular, Vue.js, Node.js, JQuery, FAST API, Apache Camel, Thymeleaf.

**Web & UI Technologies:** HTML5, CSS3, Bootstrap, Material UI, JSP, JSON, AJAX.

**API & Integration:** REST APIs, SOAP Web Services, Swagger/OpenAPI, Kafka, RabbitMQ, API Gateway, JWT, OAuth 2.0.

**Database & Storage:** SQL, PL/SQL, MySQL, PostgreSQL, Oracle, NoSQL ( MongoDB, Cassandra ), Caching (Redis).

**Development, Design Patterns & IDE:** Test Driven Development (TDD), Domain-Driven Design (DDD), Software Development Life Cycle (SDLC), Eclipse, Visual Studio Code.

**Cloud Technologies:** AWS (ECS, EC2, S3, Lambda, RDS, IAM, DynamoDB, CloudWatch), Microsoft Azure (App Services, Functions, Key Vault, Blob Storage), Azure AI Studio, Azure Cognitive Services.

**DevOps & Automation:** Jenkins, GitHub Actions, Azure DevOps, Containerization (Docker), Kubernetes (EKS, AKS), Terraform, Linux-unix, Maven, Gradle.

**Testing & QA:** JUnit, Mockito, Postman, JMeter, Selenium (basic), SonarQube.

**Logging & Monitoring:** ELK Stack (Elasticsearch, Logstash, Kibana), Prometheus, Grafana, Log4j, Splunk.

**AI & RAG Concepts:** Retrieval-Augmented Generation (RAG), LangChain (basic), FAISS, Pinecone, Prompt Engineering, Azure OpenAI APIs.

**Version Control & Collaboration:** Git, GitHub, GitLab, Atlassian ( Bitbucket, Jira, Confluence ).

**Operational Excellence & Technical Proficiency:** Decision making, Verbal and written communication skills, problem solving, Attention to detail, production support, Root cause analysis, Business objectives, Data structures, Troubleshooting.

## PROFESSIONAL EXPERIENCE

### Dell Technologies, Full-Stack Developer

Aug 2024 – present | Remote, US

- Developed and maintained Spring Boot microservices for borrower data validation and document management, integrating Servlets for lightweight HTTP request handling and JPA with PostgreSQL, aligned with existing RESTful contracts.
- Collaborated with cross-functional teams to implement Angular components and reactive forms, mapping user stories to features and ensuring accessibility and performance compliance through regular audits.
- Led code refactoring initiatives to modularize legacy components, reducing technical debt and aligning updates with internal compliance policies and CI/CD protocols.
- Supported the migration of on-premise services to Serverless Azure App Services and Azure SQL, provisioning infrastructure using Terraform and validating builds via Azure DevOps pipelines.
- Participated in code reviews, enforcing standards for test coverage, secure coding practices, and clean source code before merges into the main branch.
- Integrated identity verification and document upload APIs using Postman and contributed to reusable API schema validations and automated test scenarios.
- Co-developed a prototype for RAG-based document classification by bridging a Spring Boot microservice with Azure OpenAI endpoints via a LangChain-based Python wrapper.

### VMware

#### Software Engineer

Aug 2019 – May 2022 | Bangalore, IN

- Implemented responsive, WCAG-compliant user interfaces using Angular with TypeScript, HTML5, and SCSS for the customer engagement portal.
- Integrated UI layers with backend REST APIs developed in Spring Boot and Hibernate, using RxJS for async data streams and handling edge-case error states via interceptor pipelines.

- Refactored Angular modules and components into reusable units and introduced centralized state management using NgRx, reducing duplicate logic and improving component reusability across three product lines.
- Tested complex UI interactions using Jasmine and Karma, increasing front-end unit test coverage from 42% to 78% and helping reduce production user interface bugs by 30% over two quarters.
- Assisted in performance tuning by implementing lazy loading, Angular route guards, and dynamic imports, cutting average page load times by 30% and improving Time to Interactive (TTI) on low-bandwidth connections.

Software Engineer (Intern)

Dec 2018 – Jul 2019 | Bangalore, IN

- Assisted in building dynamic Angular dashboards for customer feedback visualization, integrating Chart.js with reactive RxJS observables to reflect real-time backend data changes.
- Supported the implementation of form-driven workflows using Angular's reactive forms and custom validators, helping streamline client onboarding screens with conditional field rendering based on API-sourced metadata.
- Collaborated with backend developers to troubleshoot JSON payload mismatches between Angular services and Spring Boot controllers, contributing fixes to serialization formats and updating API contracts in Swagger.

## EDUCATION

**Master of Science in Computer Science,**  
Southern Illinois University Edwardsville

Aug 2022 – May 2024 | Illinois, US

**Bachelor of Technology in Electronics & Computer Science Engineering,**  
KL University

Aug 2015 – May 2019 | Andhra Pradesh, IN

## PROJECTS

### 1) Optimizing Building Efficiency, Predictive Model for Energy Consumption

- Trained multiple regression models—including linear and random forest regressors—on weather, occupancy, and sensor data to estimate hourly building energy use with an MAE below 0.22 kWh.
- Preprocessed multi-source data (temperature logs, humidity sensors, HVAC runtime) using Pandas and Scikit-learn pipelines, normalizing features and handling missing intervals to improve model consistency.

### 2) Financial Fraud Detection Engine, Hybrid Rule & ML-Based Transaction Flagging System

- Built a backend detection module in Python using rule-based filters (velocity checks, blacklisted accounts) alongside a trained Random Forest classifier to flag anomalous transaction behavior within 500ms latency.
- Analyzed feature importance scores to refine fraud triggers—removing false positives from location-based heuristics and boosting true positive rate by 7% across test iterations.

## CERTIFICATES

**Microsoft Certified Azure AI Fundamentals** 

Credential ID: I276-3080

**Microsoft Certified Azure Fundamentals** 

Credential ID: I286-7688

**Getting Started with Data Analytics on AWS** 

Coursera

**AWS Certified Solutions Architect - Associate** 