

# VISHNURAJ RAJAGOPAL

## FULL STACK + AI ENGINEERING LEAD

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### Summary

Scrum certified Engineering lead with 5 years of leadership experience and 13 years of development experience, leading high-performing engineering teams to design, deliver, and scale enterprise solutions for fintech, aviation, mobile, and cloud-based platforms. Expert in managing cross-functional teams, hiring, driving technical roadmaps, and executing digital transformations aligned with business goals. Proficient in full-stack development (MERN, NextJS, Tanstack, Angular, Ionic), AWS cloud architecture, AI/ML (Generative AI and NLP), and security-first practices. Proven record of mentoring engineers and building high-trust collaboration to deliver mission-critical products with consistent security compliance and SLA attainment.

### Skills

- **Leadership & Management:** Team Leadership, Hiring, Mentoring, Agile/Scrum Certified, Vendor Management, Strategic Planning, Cross-Functional Collaboration
- **Full Stack Development:** MERN (**MongoDB, Express.js, React, NodeJS**), PostgreSQL, Prisma, TypeORM, NextJS, Angular, TypeScript, React Native (Expo), Tailwind, Nativewind
- **Cloud Platforms:** AWS (Lambda, EC2, S3, Route 53, Cognito, CloudWatch, Rekognition), Azure (AZ Functions, AKS, AZ Cache)
- **Security:** Secure SDLC, SAST, PCI DSS Compliance, Cybersecurity, Data Protection
- **AI & ML:** Generative AI, RAG, Skills, Natural Language Processing (NLP), OpenAI, LangChain, Chatbots (Alexa/Dialogflow)
- **Other:** Jira, TDD, Microservices, Docker, Kubernetes, GitHub Actions, IoT, Kafka, REST, Agile/Scrum, Python, Postman, Sentry

### Experience

**TRecs Software Labs, Dubai, UAE**

Feb 2026 – Present

*Staff Full Stack Engineer*

- Designing and developing a green field full stack product in Aircraft Engine Analytics and Screening

**zeqi, Dubai, UAE**

Jan 2026 – Feb 2026

*Consultant*

- Built the next generation AI assisted hiring platform which helps right organizations and candidates find each other.
- AI Assisted merchant lifecycle management solution for SMEs on Shopify and WooCommerce

**Sokin, Dubai, UAE**

July 2025 – Nov 2025

*Staff Engineer*

- Leading the core payment team with 5+ engineers, 2 designers and QAs and delivering B2B cross boarder money (Fiat and Stable coin) movement solutions across the globe
- Define software development best practices, hiring and mentoring cross-regional teams in delivering high quality solutions and products roadmaps.

**Etihad Airways, Abu Dhabi, UAE**

April 2025 – July 2025

### *Technical Lead - Contract*

- Led the team of 5 engineers in designing and developing the latest operations platform (MEAN stack + AWS) which improve the connection flight experience for airline staff across the globe using Data analytics and log aggregation.

### **VISA Inc, Dubai, UAE**

July 2016 – January 2025

#### *Staff Software Engineer*

- Led a team of 4+ engineers to design and deliver end-to-end fintech solutions, including low-level application logic and UI/UX, using full-stack technologies (MERN, PostgreSQL, React Native), achieving 50% higher client engagement and partnerships with Emirates, Etihad, and ENBD.
- Drove strategic technical roadmaps for AI-powered recommendation engines and tokenized credential systems, increasing app engagement by 15-20% and transactions by 5% in the affluent segment, mentoring junior engineers to meet aggressive deadlines.
- Managed cross-functional collaboration with VPs, Sr. Directors, and external vendors to architect a microservices-based Digital Super App, integrating payments, GPT-powered shopping, and biometrics, ensuring project delivery within budget and timeline.
- Oversaw security initiatives as Security Champion, leading Secure SDLC and PCI DSS compliance programs, maintaining a 100% compliance score. Integrated comprehensive AWS solutions, including Cognito, CloudWatch, EC2, S3, Rekognition for cloud-native deployments.
- Developed a Dialogflow-based voice banking system for Amazon Echo/Google Assistant, securing a multi-year contract with Emirates NBD.

### **OASYS InfoTech, Dubai, UAE**

May 2014 – June 2016

#### *Senior Frontend Developer*

- Designed, developed, and maintained H2A and eDocs HR applications using Ionic (Angular) Framework for iOS and Android, increasing sales by 20% and pioneering adaptive forms in the region.
- Launched offline time and attendance apps for limited-network users, enabling company expansion into fleet management solutions.
- Built interactive grid solutions for bulk database management using jQuery and Bootstrap.

### **Reubro International, Cochin, India**

October 2012 – September 2014

#### *Programmer/Game Developer*

- Developed online multiplayer games using Smart Fox Server and Adobe Suite (ActionScript 3 and Adobe Flash) for Discovery Kids.
- Designed and deployed a Cordova based cross-platform Restaurant Menu mobile app (iPad/Android, online/offline), improving operational efficiency and reducing costs by replacing waiters.
- Created a multilingual mobile app for personalized workouts.

## **Education**

### **Master of Science** in Network Management and Cloud Computing

Middlesex University, Dubai

**2018 – 2020**

### **Bachelor of Technology** in Computer Science and Engineering

Mahatma Gandhi University (SAINTGITS College), Kottayam, India

**2008 – 2012**

## **Certifications**

- AWS Certified Solutions Architect **SAA-C03** (2025 – 2028)
- AWS Certified Cloud Practitioner **CLF-C02** (2025 – 2028)
- Certified Scrum Master (2025 - 2027)
- **Microservices** Foundations Professional Certificate by Kong (2024)