ANTO JEVIN ANTONY VINCENT

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FULL STACK SOFTWARE ENGINEER | AI DEVELOPER

Full Stack Software Engineer with 3+ years of experience designing cloud-native, distributed, and AI-integrated systems. Specialized in Java (Spring Boot), React / React Native, and AWS, with a strong focus on microservices, RAG pipelines, and intelligent automation. Skilled in end-to-end development from understanding requirements to building, testing, and deploying scalable solutions using LangChain, OpenAI APIs, and modern DevOps practices.

SKILLS & CERTIFICATIONS

Languages & Databases: Java, Python, JavaScript, TypeScript, SQL, MongoDB, PostgreSQL, Redis
Frameworks & Testing: Spring Boot, ReactJS, Node.js, Express.js, JUnit, Postman, Selenium
Tools & DevOps: Docker, GitHub Actions, Kubernetes, Git, Jira, VS Code, Control-M
APIs & Architecture: REST, GraphQL, Microservices, JWT, OAuth2
AI & Automation: LangChain, OpenAI APIs, Pinecone, Microsoft Power Apps
Certifications: AWS Certified Developer – Associate | NASSCOM Certified AI Foundation

PROFESSIONAL EXPERIENCE

Software Engineer | *Q's Ministry / BHITS* | Long Beach, CA   **July 2025 – Present**
- Led end-to-end development of two web and mobile productivity platforms using React Native, ReactJS, Node.js (Express), and MongoDB, now used by 500+ active users for daily task automation.
- Designed and implemented modular microservices with clean REST API boundaries, integrated JWT authentication, and role-based access control (RBAC) for secure multi-user environments.
- Integrated in-app purchase and subscription modules for both iOS and Android using Stripe SDK, ensuring seamless payments and compliance with platform policies.
- Set up automated unit, integration, and regression tests (Jest, Mocha, Postman), cutting manual QA cycles from 3 days to under 1 day per release.
- Reduced app bundle size by over 25 MB through code splitting and lazy loading, improving load time on lower-end devices.

Software Engineer | *Tata Consultancy Services (TCS)* | Chennai, India   **May 2021 – Jul 2023**
- Developed Spring Boot microservices with JWT Auth, REST & GraphQL APIs supporting 500+ internal users.
- Implemented asynchronous queues (RabbitMQ + Redis), improving data throughput by 25 %.
- Led AWS migration (EC2 + S3 + IAM) using Terraform IaC, increasing uptime and cutting infra costs by 15 %.
- Developed and deployed CI/CD pipelines using Jenkins & Control-M for automated build, test, and deploy workflows.
- Automated data workflows, saving 15+ engineer hours weekly, and raised test coverage from 45% to 78% using JUnit 5 and Mockito.

Full Stack Developer / Co-Founder | *The Change Organization* | Chennai, India   **Aug 2018 – Jul 2023**
- Built and maintained a civic-tech platform (Node.js + React + PostgreSQL) serving over 1,200 active users for event and donor management.
- Added RBAC + JWT-secured gateway for multi-tenant access control and data isolation.
- Implemented Power BI dashboards for real-time analytics and insight tracking.

PROJECTS

LLM-Powered Research Summarization Tool | LangChain, OpenAI APIs, Pinecone, GraphQL   **Jan 2025**
- Developed RAG pipeline integrating GPT-4 for semantic search & summarization; deployed as a multi-tenant microservice on AWS Lambda with GraphQL API.
- Reduced average research lookup time from 2 minutes to 80 seconds through improved embedding retrieval-augmented generation (RAG) and caching logic.

Enterprise Audit & Soft Delete System | Spring Boot, MongoDB, ReactJS, Docker   **Nov 2024**
- Engineered an audit system using MongoDB Change Streams for real-time logging; Achieved sub-200ms response time for over 10,000 records and deployed the app using Docker containers.

Automation for Document Approvals | Power Automate, Power Apps, SharePoint, Power BI   **Sep 2024**
- Automated cross-team approval workflows, shortening turnaround from 3+ days to under 1 day.

Smart Ambulance Routing with YOLO | OpenCV, Raspberry Pi, Android Studio | Publication link   **Aug 2021**
- Built an edge AI system for ambulance detection, achieving 98 % precision, with MQTT-based alerts to an Android companion app.

EDUCATION

MS in Computer Science | California State University, Long Beach, CA   **May 2025**
BE in Computer Science & Engineering | Rajalakshmi Engineering College, India   **Mar 2021**