

Jeyasurya V

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Full-stack engineer with 3 years of experience building scalable web and distributed systems using **Go, React, PostgreSQL, and cloud-native technologies.**

SKILLS

- **Programming Languages:** Go, TypeScript, JavaScript, Python.
- **Frontend Development:** ReactJS, NextJS, Redux, Tailwind CSS, Shadcn UI, Ant Design, HTML5, CSS3.
- **Backend Development:** Go (Gin), Node.js, Express.js, REST APIs, PostgreSQL, MongoDB, Django.
- **Cloud & DevOps:** AWS (S3, Lambda, Secrets Manager, IAM, API Gateway), GCP, Docker, Kubernetes, CI/CD Pipelines (GitHub Actions, Jenkins), Firebase.
- **Tools & Libraries:** Redis, Apache Kafka, Playwright, Swagger, Jest, Git.

WORK EXPERIENCE

TACBOT.AI (Vitalstatistix Tech pvt ltd), India

Software Engineer • Coimbatore, India

07/2025 - Present

- Contributed to a **multi-tenant SaaS case management platform** built with **NextJS, Go (Gin)** and **PostgreSQL**, working on **tenant-aware middleware** and **dynamic database routing** to support **isolated databases for enterprise customers**.
- Engineered **end-to-end Playwright automation** validating **business-critical vendor workflows**, including **asynchronous case creation pipelines**, ensuring data integrity, **failure handling** and reliability across distributed multi-environment deployments; integrated with GitHub Actions for scheduled daily execution.
- Integrated **end-to-end ServiceNow CMDB and ITSM workflows via APIs**, enabling **bi-directional synchronization**, automated **incident creation**, and real-time operational notifications.
- Built and maintained an **API-driven email-to-case automation pipeline** ingesting vendor emails via **IMAP** and **Microsoft Graph API**, extracting attachments to **AWS S3** and enabling automatic case creation.
- Designed and implemented a **hybrid LLM/SLM infrastructure**, replacing external LLM calls with tenant-localized SLM for backend operations (email parsing, summarization, RCA generation), **reducing AI inference costs by approximately 40%** while maintaining context-aware processing and enabling future model training capabilities.
- Developed **components of an AI-powered case intelligence system** using **AWS Bedrock (Claude Sonnet)** and **LlamaIndex**, enabling automated email thread summarization, contextual case insights, and surfacing insights through user-facing interfaces.

Clar Technologies pvt ltd, India

Software Engineer • Coimbatore, India

06/2023 - 06/2025

- Engineered and deployed full-stack blockchain solutions for supply chain finance, including **DLPC (Digital Ledger Payment Commitment)** systems, enabling secure, tokenized financial transactions across global trade ecosystems.
- Implemented secure mnemonic isolation frameworks using **AWS Lambda and Secrets Manager**, safeguarding **cryptographic keys** and enabling **reliable transaction signing** for blockchain-based operations.
- Developed an SDK and Node CLI to facilitate seamless communication and collaboration between backend systems and blockchain technologies, increasing code maintainability by 60% and improving system interoperability.
- Established automated CI/CD pipelines using Jenkins and **Docker**, reducing deployment time by **40%** and eliminating manual errors.
- Built an **AI-assisted annotation platform** using React, OpenCV, and Django REST Framework for **large-scale dataset labeling workflows**, including **dynamic schema mapping** and multi-format export pipelines (COCO, YOLO, Pascal VOC).
- Integrated **YOLO-based pre-annotation workflows** and optimized frontend rendering performance through lazy loading and code-splitting, improving annotation throughput and reducing initial load times.

EDUCATION

Master of Computer Application • Kumaraguru College of Technology, India • 2022 - 24

- Achieved a CGPA of **7.9/10**, graduating with **First Class Honors**.
- Research Coordinator, Department of Computer Applications - spearheaded peer mentoring and research publications across 60+ students.