

Jay Vipul Gala

(857) 869-8448 | jayvipulgala@gmail.com | linkedin.com/in/jaygala25 | github.com/jaygala25

TECHNICAL SKILLS

Languages: Go, Python, JavaScript, TypeScript, Java, SQL

Full Stack: React, Node.js, Express.js, FastAPI, Redis, PostgreSQL, MySQL, Sequelize, HTML, CSS

DevOps: Linux, Docker, Kubernetes, Terraform, GCP, AWS, GitHub Actions, Jenkins, Grafana, Kafka, Helm, Packer

EXPERIENCE

Software Engineering Intern

Sep 2024 – Dec 2024

Roamr | Fleet Management

Boston, MA

- Architected event-driven webhook service with Node.js, Redis, and BullMQ to detect abandoned rides across 500+ vehicle fleet, mitigating revenue loss by 15% through automated ride termination
- Engineered React based geofence management tool with Google Maps integration, featuring real-time previews and state management for 50+ locations, accelerating setup time by 50%
- Revamped React admin dashboard with RBAC, secure password handling, and editable fleet owner profiles
- Implemented unit and integration testing suite using Chai for walk-away detection, achieving 95% code coverage

Software Development Engineer 2

Oct 2020 – Jul 2023

Media.net | Contextual Advertising

Mumbai, IN

- Launched browser extension serving 45,000+ users with searchable electronics manual library powered by Python web scraper processing 100K+ documents
- Scaled Maps extension to 30,000+ users with 85% retention rate, implementing Azure Maps for location search and routing functionality
- Streamlined campaign creation workflow by integrating TUNE Network APIs and CSV upload functionality, shortening setup time by 66% for 1000+ daily campaigns
- Built unified product integration with FastAPI, connecting 3 disparate systems via third-party APIs, eliminating 75% manual effort for 500+ daily resource creations
- Optimized SQL queries and refactored codebase for A/B experiment data retrieval, achieving 80% response time improvement and 50% reduction in Flow Pages latency
- Mentored 5 junior developers through code reviews and pair programming, accelerating team delivery by 30%

PROJECTS

Cloud-Native Distributed System for Course Feedback Insights | *GitHub*

Jan 2025 – Apr 2025

- Containerized Go REST APIs with multi-stage Docker builds and automated PostgreSQL migrations using Flyway
- Deployed Jenkins on AWS, automated with JCasC & Groovy, and built Job DSL pipelines for builds and releases
- Orchestrated microservices on GKE with Helm; provisioned GCP via Terraform, securing with Istio & Bastion
- Built Kafka pipeline to process PDFs, store vectors in Pinecone, and power Gemini RAG chatbot for summaries
- Created Go based custom Kubernetes operator for configurable, automated database backups to GCS bucket

Google Cloud Infrastructure Project | *GitHub*

Jan 2024 – Apr 2024

- Designed Node.js based user registration system with CRUD APIs, leveraging Sequelize ORM for database setup
- Assembled custom Packer image bundling app, dependencies, and systemd service for server startup on VM boot
- Automated GCP with Terraform - Cloud SQL, DNS, Logging, Autoscaling, Load Balancing with SSL certificate
- Developed Pub/Sub triggered serverless Cloud Run function to send verification emails to new users via Mailgun
- Established GitHub Actions CI/CD for automated builds, tests, and deployments, expediting release time by 40%

NOTABLE ACHIEVEMENTS

Smart India Hackathon (Govt. of India) - National Winner: Diagnosis of Acute Diseases in Rural Areas w/ AI (97 teams)
International Collegiate Programming Contest (ICPC) Asia Kolkata-Kanpur Onsite Regional Contestant

EDUCATION

Northeastern University

Expected Dec 2025

Master of Science in Software Engineering Systems

Boston, MA