

Shrut Sureja

Software Engineer | Node.js, Go & PostgreSQL | Backend & Distributed Systems

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SUMMARY

Software Engineer with 2+ years of experience building backend systems in Go and Node.js, including microservices, REST APIs, concurrent processing, and event-driven architectures. Experienced in designing multi-tenant SaaS platforms, developing reusable Go libraries, and building asynchronous workflows using RabbitMQ. Strong in PostgreSQL, MongoDB, Redis, Docker, CI/CD, and system design, with hands-on experience in code reviews and mentoring junior developers.

EXPERIENCE

Jr. Software Development Engineer

Kevit.io

June 2024 – Present

Rajkot, Gujarat

Chatomate – Enterprise Messaging Platform (Go, NestJS, MongoDB, Redis, Angular)

- Migrated a Node.js URL shortener microservice to **Go**, cutting baseline memory **95% (183Mi → 9Mi)** and peak CPU **71% (318m → 90m)** under **k6 stress testing**, on a platform processing **~500M API calls/month**.
- Built and unit-tested a **generic connection manager** using **Go generics** with a **5-state machine**, heartbeat monitoring, and exponential backoff for **MongoDB and Redis**; published as reusable monorepo packages (**connmgr, mongox, redisx, logx**).
- Resolved **3,000+ ESLint violations** across a **24-service microservices architecture** within an Nx monorepo spanning **25,000+ line changed**, orchestrating **AI sub-agent workflows** to implement and review the fixes, improving code standards and security compliance.
- Built an **AI-powered documentation system** from scratch – a weekly automated pipeline that detects merged PRs, updates docs, and routes sign-off to the engineers who merged each change, closing the loop with no manual update step.
- Took on day-to-day oversight of a junior developer's work (task assignment, code review) and ran **team-wide training sessions** on **AI-assisted engineering workflows**.

LeadMastro – Multi-Tenant CRM (Go, PostgreSQL, Angular)

- Designed and deployed a **multi-tenant CRM backend** and REST APIs from scratch in **Go and PostgreSQL**, with **50+ database models**, **RBAC + ABAC based role management**, and **AWS Cognito** integration.
- Built an **event-driven automation engine** using **RabbitMQ** with a custom **worker pool pattern** and **dynamic per-tenant queue partitioning**.
- Integrated **Gmail and Outlook** through an **OAuth 2.0-based email-sending pipeline**, and designed and prototyped a robust **email-syncing mechanism**.
- Architected and implemented **per-user subscription management** using **Razorpay** as the payment gateway, supporting a **multi-tier plan/billing structure** (free, custom, subscription) with usage-based limits, and handling webhook events across **10+ event types**.
- Wrote complex joins and aggregation queries, fixed performance bottlenecks through indexing and query optimization, and handled data migrations and resolved data-integrity issues.

PROJECTS

Smart Insurance Automation | *Python, Playwright* – Freelance

- Built a **Playwright-based test automation** that validates and executes **ICICI Lombard** motor insurance proposal entry from Excel input, cutting per-record processing time from **3 minutes** to under **50 seconds**.

TECHNICAL SKILLS

Languages: Javascript, TypeScript, Go, Python, SQL

Backend: REST APIs, Microservices, Distributed Systems, Event-Driven Architecture, Concurrent Programming

Databases: PostgreSQL, MongoDB, Redis, Cassandra

Frameworks: Gofiber, GORM, go-validator, NestJS, ExpressJS, Flask, Playwright

DevOps: Git, GitHub, Docker, CI/CD, Kubernetes

Developer tools: VS Code, Postman, OpenCode, Claude

EDUCATION

Marwadi University

Bachelor of Technology in Computer Engineering; CGPA: 8.99

Rajkot, Gujarat

2021 – 2025