Suraj Gorai

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Summary

Software Developer skilled in **Go** and **TypeScript** with **PostgreSQL**, **Redis**, **Docker** and **WebSockets**. Strong interest in high-throughput pipelines, caching, distributed systems and system design.

Technical Skills

Languages: Go, TypeScript
Frameworks : Gin, Echo, Hono.js, Express.js, Next.js
Database/ORMs: PostgreSQL, Redis, Drizzle, sqlX, sqlC
Core: DBMS, Computer Networks, OOP, Linux.

Experience

Backend Developer Intern, Team Shiksha – Remote   Dec 2025 – Present

- Contributing as a Golang Backend Developer on swags.me, a Shopify-like platform for corporate merchandise management.
- Designed and implemented RESTful APIs in Go for store and product management, and refactored existing backend code to improve maintainability and adherence to Go best practices. Integrated Swagger documentation.
- **Tech Stack:** Go, Echo, Swagger, PostgreSQL, sqlC, Docker, Github Actions.

Projects

Coderz Space   Github

- Built a platform providing free subdomains for developers and students to experiment with real-world DNS configuration and hosting workflows.
- Automated subdomain provisioning and DNS record management using Cloudflare APIs, enabling hands-on learning of DNS fundamentals such as record types (A, CNAME, TXT) and routing.
- **Tech Stack :** Next.js, Turborepo, PostgreSQL, Drizzle ORM, shadcn/ui, Cloudflare APIs.

Rate Limiter Library   Github

- Designed and implemented a production-grade token bucket rate limiter in Go with per-key isolation and burst support.
- Designed a framework-agnostic core separated from HTTP concerns, with adapters for Echo, Gin, and net/http exposing correct semantics and standard rate limit headers.
- Implemented configurable key extraction strategies and pluggable storage abstraction to enable future Redis-backed distributed limiting.
- **Tech Stack :** Go, Echo, Gin, Redis.

Magic AI   Github

- Built a Chrome extension that generates context-aware AI comments and replies for LinkedIn and X.
- Integrated Google Gemini API to generate responses in multiple writing styles (formal, informal, short, casual).
- Implemented persistent user preferences, including API keys and default writing styles, using the Chrome Storage API.
- **Tech Stack :** React, TypeScript, Vite, CRXJS, Tailwind CSS, Google Gemini API, Chrome Extensions API.

Education

Netaji Subhas University, Jamshedpur   Sept 2024 – Present

Bachelor of Technology in Computer Science and Engineering

Achievements

Winner at Tech Root 3.0 hackathon, Srinath University - Sept 2025

Solved 100+ data structures and algorithms problems on Leetcode.