DEVANSHU JAIN

📞 +91-6267018690 - 🔗 DJwhoCodes - ✉ jaindevanshu236@gmail.com - in linkedin.com/devanshujain

WORK EXPERIENCE

Golang Backend Engineer

Credmint Innovations, Indore   *May 2025 - Current*

- Implemented an **advanced authentication system** with **IP** verification, **CSRF** tokens, and layered security to prevent unauthorized access.
- Built a high-performance transaction engine capable of handling **1M+** transactions in under **4 minutes**, ensuring ACID compliance, fault tolerance, and wallet-level locks.
- Built a **microservices architecture** using **gRPC** for inter-service communication, reducing network latency by **45 %** and improving system scalability across **9** core microservices.
- **Led** a 7-member team to build over **200+** RESTful APIs for Merchant, Reseller, and Admin portals, enabling seamless onboarding, KYC registration, and user management for **5K+** users.
- **Dockerized** and deployed the transaction system on AWS EC2, setting up **CI/CD** pipelines via GitHub Actions to achieve **100%** automated testing, zero-downtime deployments, and **3x** faster release cycles.

Golang Backend Engineer

Centocode Technologies, Gurugram   *Jan 2024 - Feb 2025*

- Architected and deployed a sophisticated **multi-tenant**, microservices-based **CRM** for **20+** clients, thereby ensuring strict **data isolation** and modular scalability.
- **Led** a 5-member engineering team to build a dynamic, configurable university application process supporting **80+** institutions through a unified and reusable workflow system.
- Developed and launched a scalable internal chat platform leveraging **WebSockets** and **WebRTC**, supporting real-time messaging and voice calls for **500+** concurrent users.
- Created and optimized reusable database **aggregation** pipelines with **indexing** and parallel execution, improving query performance by **4x** and enforcing DRY design across **30+** modules.
- Designed and developed a robust centralized **notification system** using **cron jobs** and **event-driven workflows**, automating **30K+** alerts daily and cross-tenant communication across **20+** clients.

EDUCATION

Madhav Institute of Technology & Science   **2019 - 2023**

Bachelors of Technology in Computer Science and Engineering   *CGPA: 8.85/10.00*

PROJECTS

Distributed Caching with Leader Election   Github , Portfolio

Tech Stack: Golang, Consensus Algorithm, RPC Communication, Goroutines & Channels

- Built a custom binary protocol over TCP for efficient data transfer, including manual encoding/decoding.
- Developed a multi-port server where followers handled GETs on one port and replicated SETs on another.
- Designed a distributed cache using leader–follower replication with horizontal scaling and high-availability reads.
- Implemented leader election using the consensus algorithm, enabling nodes to autonomously detect leader failure.

Real-Time Crypto Trading Exchange   Github , Portfolio

Tech Stack: Golang, TCP/IP, Market Maker, Mutex / RWMutex, Context Cancellation

- Implemented a market bot using time.Ticker to periodically generate liquidity, tighten spreads.
- Built price/time-priority orderbooks for markets using efficient data structures, mutex-protected shared state.
- Created a custom req/res protocol for order submission and trade confirmations, including message validation.
- Used goroutines, channels, and connection-level concurrency to process bid/ask orders, return trade executions.

TECHNICAL SKILLS

Backend Development: NodeJs, NestJs, gRPC, Microservices, Git, RabbitMQ, WebSockets, TCP, Binary Serialization
Programming Languages: Golang, C++, Typescript, Javascript, SQL, MQL
Devops: Docker, Kubernetes, Github Actions (CI/CD), AWS (EC2, ElasticIP)
Databases & Storage: MongoDB, MySQL, PostgreSQL, Redis, Write-Ahead Logging (WAL)
Concurrency & Systems Programming: Goroutines, Channels, Mutexes, File I/O, Low-Level Networking