

SUMMARY

Backend Engineer with 3+ years of experience building cloud-native, scalable, and high-availability systems. Proven expertise in developing microservices, designing CI/CD pipelines, and optimizing system performance. Adept in API security, distributed systems, observability, and production-ready engineering with Golang, Node.js, and Python.

SKILLS

Golang, JavaScript (Node.js), Python, Java, gRPC, GraphQL, REST APIs, PostgreSQL, MySQL, DynamoDB, MongoDB, Redis, Memcached, Microservices, Apache Kafka, Gin, Express, FastAPI, Circuit Breaking, Distributed Tracing, Docker, Kubernetes, CI/CD, GitHub Actions, Jenkins, Prometheus, Grafana, Jest, Mocha, OAuth2, JWT, WebSockets, Linux, Bash, System Design, Data Structures and Algorithms, Solidity, Firebase

WORK EXPERIENCE

SDE 1 (Backend)

Totality Corp, Gurugram (Remote)

JULY 2024 – PRESENT [1+ year]

- Developed an AI Therapy platform using **LLM-powered chatbots**, RAG systems, and gRPC Streaming for real-time conversations, with a **Golang bridge connecting the UI and AI Python server**.
- Built an AI-powered financial news agent using OpenAI APIs and RAG (Retrieval Augmented Generation), aggregating real-time data from stock exchanges into structured dashboards via gRPC and WebSockets.
- Refactored backend systems using design patterns in Golang to boost maintainability and performance.
- Developed an extensible CO2 emissions engine that dynamically calculates emission values based on survey data.
- Implemented an AI web scraping bot for real-time competitor comparison.

SDE 1 (Backend)

Swiggy (Contract), ChicMic (Vendor), Remote

FEB 2023 – APR 2024 [1 year & 2 months]

- Worked on systems with **6000 RPM** average throughput.
- Migrated the agent assignment system from Postgres to DynamoDB, reduced agent-side latency during peak hours, and improved agent efficiency by **40%**.
- Refactored the service to **Golang**, supporting both **gRPC** and **HTTP** endpoints, increasing system robustness and flexibility while maintaining **90% test coverage**.
- Worked on the development and execution of a **BCP plan**, enabled seamless switching between third-party providers and internal systems by simple config change, eliminating the need for code-level modifications.
- Implemented canary-level graphs and logs to **elevate system monitoring**, proactively **capturing issues** in the **canary** to prevent downtime, resulting in a 30% reduction in critical incidents.
- Implemented a special support ticket creation system and agent queue assignment for IRCTC orders.
- Updated chatbot integration to synchronize with a new system for delaying order relays to restaurants, **optimizing delivery boy wait times**, and ensuring food freshness.

Associate Software Engineer

ChicMic, Mohali

FEB 2022 - JAN 2023 [1 year]

- Developed and deployed **REST and WebSocket** services from scratch for web games and chat apps.
- Engineered a service that synced blockchain data to **Redis** and **MongoDB** for faster retrieval, improving performance.
- Optimized in-house biometric system by implementing a punch validation algorithm, automating employee attendance, and saving **2 man-days per month**.
- Developed backend services for a 2D metaverse, enabling users to buy, sell, and trade land linked to smart contracts.

Full Stack Developer

Runaway Games Pte. Ltd, Singapore (Part-time) (Remote)

MAY 2021 - JAN 2022 [9 months]

- Handled **all things tech** and developed & launched 5+ browser-based multiplayer games with **React and Firebase Cloud Functions**, serving clients including Google, Twitch, and Amazon, and did **USD 100,000** in revenue in the first year.

EDUCATION

Punjabi University Patiala, Punjab, India

JUL 2018 - May 2022

Bachelor of Technology, Engineering, CGPA 8.44 (80.18%)