

Gaurav

Backend Engineer & SRE

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PROFILE

Backend-focused engineer architecting robust systems with precision. Specializes in building production-style services and high-concurrency systems using Node.js, TypeScript, and Go, with a strong focus on system reliability and scalability.

EDUCATION

Panjab University, Post Graduate Govt. College-11	SAS Nagar, India
<i>Bachelor of Computer Applications (BCA)</i>	2023 – 2026
– Relevant Coursework: Data Structures, Algorithms, Database Management, Web Technologies	
G.M.S.S 23A	Chandigarh, India
<i>Senior Secondary (12th) - Non-Medical</i>	2022 – 2023
Century Public School	India
<i>High School (10th)</i>	2020 – 2021

TECHNICAL SKILLS

Languages: Go (Golang), TypeScript, JavaScript, Python

Backend: Node.js, Express, Go-Gin

DevOps & Cloud: Docker, Kubernetes, AWS, Terraform

Databases & Store: PostgreSQL, MongoDB, Redis

SELECTED SYSTEMS

SRE-Pilot | *Go, Docker, REST*

- Developed a production-grade backend service implementing core Site Reliability Engineering (SRE) patterns to ensure high availability and uptime.
- Implemented circuit breakers, structured logging, and graceful degradation strategies to enhance system resilience under heavy load.

System Monitor | *React, Go*

- Built a real-time distributed system visualizer to aggregate metrics from multiple microservices.
- Created a "single pane of glass" dashboard for monitoring system health and performance.

Hyper-LB | *Go, Networking*

- Engineered a custom application-layer load balancer exploring advanced routing algorithms beyond standard round-robin distribution.