GAURAV

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PROFESSIONAL SUMMARY

Motivated Backend Developer with strong foundation in web development and system architecture. Experienced in developing RESTful APIs, implementing SRE patterns, and working with modern backend frameworks. Passionate about building scalable applications and eager to contribute expertise in Node.js, Go, and database management to engineering teams.

EDUCATION

Panjab University, Post Graduate Government College-11   SAS Nagar, India
Bachelor of Computer Applications (BCA)   2023 – 2026
Relevant Coursework: Data Structures, Algorithms, Database Management, Web Technologies

G.M.S.S.S 23A, Senior Secondary (12th) - Non-Medical   2022 – 2023

Century Public School, High School (10th)   2020 – 2021

EXPERIENCE

Delta4 Infotech, *Backend Developer Intern*   6 Months

- Developed and maintained RESTful APIs using Node.js and Express for company projects serving 10,000+ daily requests
- Collaborated with engineering team to debug applications and resolve issues, reducing bug reports by 30%
- Designed PostgreSQL database schemas with proper indexing, optimizing query performance by 40%
- Participated in code reviews and implemented Git version control best practices for team collaboration
- Created API documentation and technical specifications for internal development team

PROJECTS

SRE-Pilot — *Resilient Backend Service*

- Implemented SRE patterns including circuit breakers to prevent cascading failures and structured logging for debugging
- Built graceful degradation mechanisms ensuring system stability during high-load scenarios
- *Technologies: Go, Redis, PostgreSQL, Prometheus*

System Monitor — *Distributed System Visualizer*

- Built real-time monitoring dashboard aggregating performance metrics from multiple microservices
- Implemented WebSocket connections for live data streaming with intuitive visualization interface
- *Technologies: Node.js, React, WebSocket, Chart.js, Docker*

Hyper-LB — *Application-Layer Load Balancer*

- Developed advanced load balancer with custom routing algorithms including least connections and weighted round-robin
- Implemented health check mechanisms for automatic failover, achieving 99.9% uptime
- *Technologies: Go, Gin Framework, Docker, Nginx*

TECHNICAL SKILLS

Languages: Go, JavaScript (ES6+), Python, SQL, React
Backend: Node.js, Express.js, Gin Framework, RESTful API Design
Databases: PostgreSQL, MySQL, Redis, MongoDB
DevOps & Cloud: Docker, Git, GitHub, Linux/Unix, AWS (EC2, S3), CI/CD
SRE Practices: Circuit Breakers, Structured Logging, System Monitoring, Graceful Degradation, Health Checks

INTERESTS

Technical Focus: Site Reliability Engineering, Distributed Systems, Backend Performance Optimization
Continuous Learning: Studying system design patterns, cloud architecture, and microservices best practices