Dhroov Gupta

Senior Backend Engineer at Razorpay

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Dhroov7   dhroov-gupta   dhroovgupta

Summary

Senior Backend Engineer with 6+ years of experience designing and scaling high-performance, distributed systems for fast-paced startups and leading fintech platforms. At Razorpay, lead microservice architecture initiatives on the payout platform, driving systems that process millions of transactions daily with 99.99% uptime. Expert in Golang, Kafka, Redis, and Kubernetes, with deep expertise in system design, reliability engineering, and performance optimization. Proven track record of taking products from 0→1 and delivering core platform capabilities in high-scale, mission-critical environments.

Experience

Razorpay
Senior Software Engineer
Bangalore
April 2024 - Present

- **Led development** of *Phone Number Payouts* feature, enabling merchants to initiate UPI payouts using only beneficiary phone numbers — drove a **10% increase in payout transaction volume** within the first quarter.
- **Built** a high-performance **Go-based microservice** from scratch as part of an org-wide monolith decomposition; engineered for **scalability and reliability**, processing **1M+ requests/day** with **sub-200 ms latency**.
- **Owned** production on-call responsibilities for payout infrastructure, proactively identifying and resolving incidents, improving **system uptime to 99.99%**.
- **Mentored** junior engineers through code reviews, technical spec feedback, and knowledge-sharing sessions; contributed to architectural and design discussions to **raise engineering standards**.

https://razorpay.com

Hubilo
Software Engineer → Software Engineer II
Remote
September 2021 - January 2024

- Developed real-time user tagging to improve session engagement and retention

- Built backend system to support 10,000+ reactions/sec during live sessions using Go and Redis Streams

- Promoted for technical ownership and consistent delivery of high-impact features

- Independently managed cross-functional stakeholder communication

https://www.hubilo.com/

Postman & Kalagato
Software Engineer
Bangalore & (Remote)
June 2019 - Aug 2021

- Built importers (e.g., cURL, OpenAPI) to convert external APIs into Postman collections

- Followed TDD to ensure robust and well-tested developer tooling

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- Built user-tracking SDK with Node.js, Redis, SQS, Lambda, and S3 for behavioral analytics

- Developed and launched platform for managing ad campaigns on Facebook/Instagram

https://www.postman.com/

Education

The Northcap University
Electronics and Communication Engineering
Bachelor of Technology
2015 - 2019

https://www.ncuindia.edu/

Projects

Reverse Proxy Server (GoLang)

- Built reverse proxy to route HTTP traffic based on path rules with dynamic JSON config

- Implemented token bucket rate limiter and backend server health checks

https://github.com/Dhroov7/reverse-proxy-server

Dist Rate (Node.js, TypeScript)

- Published distributed rate limiter using Redis and token bucket algorithm on NPM

- Used Redis locking for atomic operations and race-condition prevention

https://www.npmjs.com/package/dist-rate

Database Internals (Medium Series)

- Wrote in-depth articles on ACID, I/O internals, and indexing in MySQL/PostgreSQL

https://dhroovgupta.medium.com/list/database-internals-7b49c0b02cd6

Skills

GoLang
■ ■ ■ ☐ ☐

MySQL
■ ■ ■ ■ ☐

Javascript
■ ■ ■ ■ ☐

MongoDB
■ ■ ■ ☐ ☐

Redis
■ ■ ■ ☐ ☐

Kafka
■ ■ ■ ☐ ☐

Kubernetes
■ ■ ☐ ☐ ☐

Certifications

AWS Certified Developer – Associate
AWS
May 2021

https://www.credly.com/badges/0b1d0947-9db0-4586-8c46-eac6785bc295