ADARSH HEGDE

[EMAIL](#) | [GITHUB](#) | [LINKEDIN](#)

Bengaluru, KA

PROFESSIONAL SUMMARY

Results-driven software engineer with 1.5+ years of experience developing **scalable microservices and backend systems**. Expertise in **Go, gRPC, and cloud**, with a track record of optimizing performance, reducing costs, and implementing innovative solutions.

EXPERIENCE

Saltside Technologies India Pvt Ltd *Sept 2023 - Present*
Associate Software Engineer *Remote, Bengaluru*

- **Microservices Development**: Built and maintained **RESTful APIs** and **gRPC & Protobuf**-based microservices using **Go**, ensuring scalability and high performance.
- **Email Service**: Spearheaded a **Golang**-based email service featuring load balancing (SES/SendGrid), **Apache Kafka** for distributed event ingestion, and **SNS/SQS** with exponential backoff for retries. Integrated an HTML templating engine. Achieved $900/month cost savings by optimizing SendGrid usage.
- **Scheduler Optimization**: Implemented a backoff strategy for a **Golang & MongoDB**-based scheduler, reducing job failures during peak loads.
- **RPC Migration**: Transitioned from **Apache Thrift** to **gRPC & Protobufs**, cutting service timeouts by **99%**, lowering memory usage, and improving latency.
- **Kubernetes Expertise**: Migrated developer environments from **docker-machine** to **Kubernetes**. Developed a **Golang CLI** for seamless Kubernetes interactions.
- **Docker Optimization**: Improved 20+ service Dockerfiles with multi-stage builds and caching, accelerating test environments and container deployments.
- **Performance Optimization**: Diagnosed and resolved **n+1 query** issues in **Ruby** services, significantly improving response times.
- **External Gateways**: Built **JSON-based API gateways** for internal **gRPC** service consumption.

Recognitions

- Star of the Quarter Award - **Q4 2024**, **Q2 2024**

Software Engineer Intern *April 2023 - Aug 2023*

- **Web Engineering**: Contributed to migration of legacy web services to **ReactJS**-based custom SSR + CSR framework, enhancing frontend performance and user experience.
- **Backend Development**: Acquired proficiency in **Golang** and company's technical stack, contributing to both **Golang** and **Ruby** codebases.

SKILLS

Languages: Go | JavaScript | TypeScript | Python | Java
Backend & DB: gRPC | Protobuf | Restful API | Apache Kafka | Redis | MongoDB | MySQL
Web: React | Astro | SolidJS | NextJS
Platform / Cloud: CI/CD | Docker | Kubernetes | ArgoCD | Ansible | S3 | SES | RDS | AWS

EDUCATION

New Horizon College of Engineering | *GPA: 8.52 / 9.0* *Aug 2023*
MCA | *Master of Computer Applications* *Bengaluru, KA*

Bhandarkars' Arts & Science College, Kundapura | *GPA: 7.6 / 9.0* *Sept 2021*
BCA | *Bachelor of Computer Applications* *Udupi, KA*