

# ADARSH HEGDE

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

BENGALURU, KA

## EXPERIENCE

**Associate Software Engineer** | *Saltside Technologies India Pvt Ltd*  
**Core Contributions**

*April 2023 - Present*  
*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, Q2 2024

## 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: 8.42 / 9.0*

**MCA** | *Master of Computer Applications*

*Aug 2023*

*Bengaluru, KA*

**Bhandarkars' Arts & Science College, Kundapura** | *GPA: 7.6 / 9.0*

**BCA** | *Bachelor of Computer Applications*

*Sept 2021*

*Udupi, KA*

## PROJECTS

**Graph Algorithms Visualizer**, [🔗](#)

*March 2023*

Created a web application using SolidJS to visualize graph algorithms such as DFS and BFS.

## INTERESTS

### Blogging

- [My Homelab Setup - Home Automation & Self-Hosting](#)