ADARSH HEGDE

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Bengaluru, KA

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** & **NodeJS**, 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.
- **Image CDN Service**: Re-architected **NodeJS** based **image service** into **Go**, allowing for efficient and fast transformations of static assets, user uploaded content with a focus on **API driven transformations** and **scraping prevention** techniques, utilizing s3 pre-signed URLs for efficient uploads.
- **RPC Migration**: Transitioned from **Apache Thrift** to **gRPC & Protobufs**, cutting service timeouts by **99%**, lowering memory usage, and improving latency.
- **Scheduler Optimization**: Implemented a backoff strategy for a **Golang & MongoDB**-based scheduler, reducing job failures during peak loads.
- **Kubernetes**: Aided in Migration of developer environments from **docker-machine** to **Kubernetes**. Developed a **Golang CLI** for seamless Kubernetes interactions.
- **Docker Optimization**: Improved several microservices Dockerfiles using **multi-stage builds**, caching and service level optimizations, 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**
- Star of the Quarter Award - **Q2 2024**

Software Engineer Intern   *April 2023 - Aug 2023*

- **Web Engineering**: Contributed to migration of legacy web services to **ReactJS**-based inhouse Server Side Rendered framework, and CSR pages, enhancing frontend performance and user experience.
- **Backend Development**: Acquired proficiency in **Golang** and company's technical stack, contributing to both **Golang**, **Ruby** and **Java** 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*