Shameek Agarwal

Software Engineer / Aspiring Software Architect

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SUMMARY

- Dedicated software engineer focused on driving team success through hard work and collaboration
- Committed to fostering growth within myself and those around me
- Proven track record of solving complex technical problems
- Highly skilled in leveraging team dynamics to deliver high-quality solutions and achieve project goals

PROFESSIONAL EXPERIENCE

Goldman Sachs, *Senior Software Engineering Analyst*   Feb 2022 – present │ Bengaluru, India

- Observability - Introduced observability for systems deployed across different architectures. Subsequently, a new core team was established with my work serving as their inaugural project. Opentelemetry, Elasticsearch APM
- Batch Analytics for Investor Participation - Executed a forward fill mechanism for migrating data from legacy systems. Introduced batch analytics to speed up workflows which leveraged the firm's in-house data platform. This was the first successful implementation of this architecture in my division. Hadoop, Spark, Snowflake, Spring, Hibernate, Sybase
- OAuth Migration - Migrated UI applications from the in-house authentication systems facing obsolescence to OAuth
- Email Service - Developed a versatile email service to facilitate external communication. Integrated with an inhouse object storage to efficiently handle attachments. Engineered functionalities like managing CC contacts spanning both Backend and UI. Used multithreading to send out multiple emails at once. Spring, Spring Data, MongoDB, ReactJS
- Devops Standardization - Streamlined pipelines across projects. Introduced "parallel" development environments. Reduced build times by 30% by parallelizing jobs where possible. Maven, NPM, Docker, Kubernetes, Argo CD, Gitlab
- Microfrontends - Leveraged Webpack's Module Federation plugin to break down the monolithic frontend. Refactored shared presentational components, state, etc into unified libraries. ReactJS, NPM, Webpack

CERTIFICATIONS

- AWS Certified Solutions Architect Associate 🔗
- CKA: Certified Kubernetes Administrator 🔗

SKILLS

Backend - Spring Boot │ Spring Security │ Spring Webflux │ Hibernate │ Maven │ Java │ Junit │ Mockito
Data - Data Warehousing │ Snowflake │ Hadoop │ Spark │ MySQL │ NoSQL │ Elasticsearch │ Kafka │ RabbitMQ
Core - Low Level Design │ High Level Design │ Data Structures │ Algorithms │ Computer Networking
Devops - AWS │ Docker │ Kubernetes │ Terraform │ Git │ Gitlab CI
Frontend - ReactJS │ Typescript │ Javascript │ Jest

EDUCATION

Bachelor's Degree in Computer Science, *Manipal Institute of Technology*   May 2018 – Jun 2022 │ Udupi, India
9.64 CGPA