Syed Hussain Imam

Experienced software engineer with a focus on engineering delight through simple solutions to complex problems.

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Relevant Experience

Senior Software Engineer · Trukkr (Karachi, Pakistan)   Jun 2023 – Present

- Led the planning and development of a real-time tracking service from the ground up, a service now at the heart of Trukkrs ecosystem that manages **26 different external tracker integrations**, and processes currently **7 million+ tracking packets per day.**
- Developed a key alert management system for Trukkr, enhancing vehicle monitoring and reducing logistics inefficiencies. This system improved fleet visibility and security, preventing resource theft **worth millions of PKR**, thereby ensuring safer, more efficient transport.
- Spearheaded backend architecture rework that eliminated redundancies in external API calls, this led to a **reduction of response of key APIs by close to 75%** and **brought down server load by 60%**
- Actively mentored junior engineers, providing guidance through **code reviews**, promoting **best practices** in software development, and fostering a **collaborative learning environment.**
- Managed parts of our **AWS** infrastructure for **cloud deployments** (CodeDeploy, EC2, ECS, Textract, RDS, S3)
- **Dockerized** the complete **Trukkr microservice ecosystem** and enabled **remote server deployments**, deployed the Trukkr ecosystem on locally managed servers as well.

Software Engineer II · Elphinstone (New York, United States)   Jul 2022 – Jun 2023
Software Engineer I   Jan 2022 – Jun 2022
Software Engineering Intern   Nov 2021 – Jan 2022

- Collaborated cross-functionally with business, design, and product teams to translate **complex requirements** into high-quality, impactful **software solutions**.
- Contributed significantly to **sprint planning**, structuring, and review, ensuring the efficient execution and timely delivery of projects.
- Partnered closely with Technical leads to design and implement robust **CI/CD pipelines**. Utilized **GitHub Actions** for automated deployments and **Docker** for containerizing services
- Managed comprehensive service deployments on **AWS**, using services such as **EC2, ECS, RDS, and CloudWatch**, to enhance system scalability, reliability, and performance.
- Spearheaded key optimizations of the application build, yielding a reduction in **memory usage by approximately 72%.**
- Led the end-to-end planning, implementation, maintenance, and deployment of a B2C **web portal**, fostering seamless collaboration with Product Managers, Designers, and fellow Engineers to ensure product excellence.
- Led the design and implementation of microservices in Golang, integrating seamlessly with various external and internal APIs. Utilized Temporal for **process orchestration, adding robust retry mechanisms and enhancing visibility**, which improved system communication and functionality.

Other Experiences

Open Source Contributor · Mirrorful (YC W23)   May 2023 – Jun 2023

Web Development Instructor · Google Developer Student Clubs   Sep 2020 – Dec 2020

Project Trainee · Afiniti   Jul 2020 – Aug 2020

Skills

Programming Languages
Javascript, Typescript, Go, Python, Java, HTML, CSS

Libraries & Frameworks
Nestjs, React, Tailwind, Bootstrap

Tools & Platforms
AWS, Temporal, Docker, Vercel, Git, GitHub, WordPress, Webpack, Figma

Databases
MySQL, MongoDB, Redis, Firebase

Selected Projects

AI Stock Portfolio Manager
End to end engine to gather, process stock data, and give short-term stock price predictions for the KSE-100 index.

AI Customer Support Agent
Transcribe real-time audio into text with a custom model and interact with Open AI chat agents then perform real-time text to speech for the end user

KomoRebi-Dark
Dark theme for Visual Studio Code

Education

Institute of Business Administration
Bachelor of Science in Computer Science (2023)

Interests

Gym, running, lots and lots of reading, and a game from a small indie company called League of Legends