

Abdul Wasay Usmani

Innovative Software Engineer with a passion for problem-solving, entrepreneurship, and software architecture. Committed to continuous learning. Ready to drive impactful solutions.

Phone: +92-318-0234922

Email: wasayusmani@hotmail.com

LinkedIn: [linkedin/wasayusmani](https://www.linkedin.com/in/wasayusmani)

EXPERIENCE

Safepay, Karachi— *Software engineer*

Nov 2022 - PRESENT

- **Migrated IT infrastructure:** Led migration from GKE to AWS EKS using GitHub Actions and Helm charts, while enhancing security by migrating DNS to Cloudflare.
- **Invoices:** Developed a versatile backend for an Invoicing product, enabling merchants to create and share invoices with customers via email or links, and integrating with Safepay's checkout for hassle-free payments.
- **RBAC:** Implemented a Role-Based Access Control (RBAC) system, creating RPC endpoints for adding admin panel members and assigning specific roles based on their responsibilities. This ensured secure and granular access to system resources.

Logiciel Services, Karachi— *Software Engineer*

Jan 2022 - Nov 2022

- **Fee and Commission Module:** Developed a customizable rule configuration system for brokers using a custom language. Employed Boost Fusion and QI parser for real-time rule parsing and calibration. Generated approximately \$10,000 in broker fees in the first month.
- **Trading Simulator:** Created a real-time trading simulator on the FIX protocol, utilizing Boost Asio, Boost multi-containers and QuickFIX libraries. This simulator served as a training tool for retail traders and allowed internal testing of new trading algorithms with live market data.
- **Market Data Feed Server:** Worked on a low latency server that receives market data from a third party provider and publishes it for clients and other internal services using ZeroMQ and redis.

HomeChef, Karachi— *Product manager*

June 2021 - Dec 2021

- **Mobile App Redesign:** Worked closely with stakeholders, design team, and outsourced developers to overhaul the customer-facing mobile app, enhancing the user experience for ordering home-cooked meals.
- **Project Management:** Managed various aspects of the project, including creating flow diagrams, timelines, design reviews, and conducting A/B testing to refine solutions before initiating development.

SKILLS

Backend | Golang, C++, Python, Multi threaded applications, Protobuf

DevOps | Docker, Kubernetes, Git actions, Cloudflare, Amazon Web Services

Database | Mysql, SQL server, Redis

OS | Linux, MacOS, Windows

EDUCATION

**Habib University, Karach—
B.S, Computer Science**

August 2017 - June 2021

GPA: 3.5/4