

Muhammad Mujtaba Roohani

SOFTWARE ENGINEER · BACKEND / IOS

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“The worth of every being is in their *yohsin*” - Ali

Work Experience

SadaPay Technologies Ltd.

Dubai, UAE

SOFTWARE ENGINEER

Oct. 2023 - Jul. 2024 · 9 mo

- Collaborated in **mob-programming** sessions with highly talented colleagues, fostering collaboration and ensuring shared code ownership.
- Focused on Backend services written with **Kotlin** and **Springboot**, engaging in chapter meetings, proposing and discussing ideas to improve resilience of our backend services.
- Investigated and resolved 150% increased API time-consumption post-service-upgrade by identifying and fixing a critical bug, testing in staging and production, and sharing the solution with the broader team. Received public praise for the same.
- Managed the backfilling of missed Kafka events during a major incident, identifying missing events, preparing data for production, and ensuring successful deployment and verification.
- Identified and corrected CI/CD GitHub workflow issues to prevent unintended code releases.
- Enhanced monitoring dashboards on Kibana and Dynatrace for proactive service performance monitoring.
- Investigated and resolved issues to improve service availability from 99.8% to 99.98%.
- Practiced **Test-Driven Development (TDD)** to create and maintain 98% covered services and apps producing highly reliable software for our customers.
- Contributed to building and delivering a fully functional Ledger from scratch, including inter-service APIs, an iOS widget for displaying balance, and a control module in the admin portal. Actively involved in backend development, iOS widget support, and web module extraction.
- Owned the generation of ‘Account Statement’ feature starting from the SPIKE ticket to monitoring the post-production performance.
- Participated responsibly in on-call rotations, which included reacting to incidents, reducing alert noise, and ensuring a healthy system state.
- Utilized **trunk-based development** to streamline code integration and enhance deployment efficiency.

Tilism Technologies

Karachi, Pakistan

BACKEND SOFTWARE ENGINEER (NODEJS)

Jan. 2023 - Oct. 2023 · 8 mo

- Led a team of 6 engineers, enhancing an embedded chat framework for businesses.
- Managed and extended on-premise Kubernetes cluster and improved CI/CD workflows.
- Made public contribution with a module for **ejabberd** in **Erlang**, and helped the company adopt it saving **9000 USD** annually
- Helped the company swiftly shift focus to their B2B model by reusing their existing infrastructure advancement from their flagship product.
- Took an active part in the **recruitment process**, filtering out impressive resumes, conducting interviews, and giving constructive feedback to the candidate and helpful review for the recruiter.

MID-LEVEL IOS ENGINEER

Feb. 2021 - Jan. 2023 · 2 yr

- Led a team of 3 iOS engineers, fostering a sense of shared responsibility among them, and maintained a culture of reviewing each other's work and engage in productive discussions to write better code each day.
- Maintained and extended a hyper-localised, integrated social media and messaging application used by over a million users.
- Owned feature requests from investigating their LOE and engaging in cross-domain discussions to getting it tested and managing its release.
- Identified and implemented various **XMPP** extensions introducing exciting features for our users.
- Devised a framework for **Clean Architecture** and migrated ~40% of the code base to it achieving partial testability.
- Paid off the majority of the technical debt and brought stability to the application while not letting it impact the product roadmap.

ENTRY-LEVEL IOS ENGINEER

Nov. 2020 - Feb. 2021 · 4 mo

- Redeveloped an inbox screen while extending its feature set with Clean Architecture and significantly improved performance.
- Got recognition for my cross-domain problem-solving skills with an early promotion.

CONSULTANT (ONGOING)

Oct. 2023 - Present · 9 mo+

Technollage

Karachi, Pakistan

FOUNDING MEMBER & IOS + BACKEND ENGINEER

Nov. 2015 - Aug. 2019 · 3 yr 8 mo

Education

Habib University

Karachi, Pakistan

B.SC IN COMPUTER SCIENCE & MINOR IN MATHEMATICS

Aug. 2016 - Jul. 2020 · 4 yr

- Secured 3.5 CGPA
- Enrolled in multidisciplinary electives including Quantum Computing, Machine Learning, Data Science, Environmental Engineering, Geometrical Modelling, Computer Graphics, and Climate Change.