Ali Ahmed

SOFTWARE DEVELOPER

Email: me@aliahmed.dev
Phone: +1 825 993 6766
Address: Edmonton, AB

LinkedIn: in/AliNisarAhmed
Github: /AliNisarAhmed
Portfolio: aliahmed.dev

Profile Summary

- 4.5+ years of professional experience building Web & Mobile applications
- I am passionate about programming, a quick & avid learner, self-motivated, diligent, and I excel working both in teams and autonomously.

Skills

Languages:	JavaScript, TypeScript, Elixir, Java, C#, Haskell, Rust
Front-end:	React, React Native, Vue, Elm
Back-end:	Spring Boot, DotNet Core, Node JS (Express), Phoenix, Splunk, Wavefront, Kafka
Database:	PostgresQL, MS SQL Server, MongoDB
Testing:	Jest, React Testing Library, Playwright, Cypress, Junit & Mockito
Cloud:	AWS, MS Azure
Misc:	Flexbox & CSS Grid, Sass, Ant Design, material-ui, elm-ui

Certifications

- **AWS Certified Solutions Architect – Associate** (April 2023)
- **Microsoft Certified Azure Developer - Associate** (December 2020)

Experience

Full-Stack Engineer | Intuit Inc. | *Nov 2021 – Present*

Major Projects:

QBO Consolidated Sign-In

This project entailed decomposing the QBO Login out of the Monolith, and eventually unifying the login process across all company products under One Intuit Identity framework.

Tech Stack: ReactJS, Node, TypeScript, Jest, Java, Spring Framework

Achievements:

- Led the Back-end decomposition part of the project, migrating many old APIs in the Monolith (with more than 2 Million calls per day) to separate services, resulting in increased resilience, release velocity & stability of the whole login process and deletion of thousands of lines of old legacy code.
- Driver for Peak readiness efforts during FY23 and 24 peaks where I did FMEA analysis for all assets owned by my team and planned peak readiness tasks, resulting in incident-free peak periods.
- Won many awards and spotlights during company-wide Global Usability Day during which I identified a lot of possible UI improvements and bug fixes like Accessibility & Styling issues, better messaging around error & loading states; and deploying the fixes to production.
- Other critical contributions include setting up perf tests, integration with experimentation framework, auth cookie usage analysis and consolidation, setting up wavefront alerts for anomaly detection, final documentation and clean up efforts all of which resulted in successful migration of millions of logins per day to the new infrastructure without an incident.

QBO Identity 2.0 migration

This company-wide project involved migrating away from legacy ID1.0 APIs to the new and improved GraphQL based ID2.0 framework.

Tech Stack: Java, GraphQL, Spring Framework, JUnit

 Achievements:

- ✔ Guided a cross-functional team in the migration of Contractor Invitation flow to ID2.0, developing comprehensive implementation and test plans, identifying OpEx improvements and devising a seamless rollout strategy for the successful completion of the project.
- ✔ I made critical code contributions to Identity Java GraphQL SDK (including library design, cache implementation, pagination support) which helped unblock hundreds of developers across the company subsequently boosting development velocity.
- ✔ Contributed to the deprecation of legacy auth step-up project in favor of Remediation protocol across multiple external codebases and finished the project on time.

Full Stack Developer | Punchcard Systems | *July 2019 – May 2021*

 Major Projects:

Birdie Break Mobile App & REST API Server

Enabling easy connection between parents & babysitters and providing the owners greater control over their babysitter service operating in Alberta.

 Tech Stack: TS, React Native, C#, .Net Core, SQL Server, MS Azure, Stripe API, Twilio SMS.
 Achievements:

- ✔ Participated in full product life-cycle, from requirements gathering, design, UX, server-side and front-end application architecture, wrote 70% of the code and reviewed the rest.
- ✔ Successfully launched the app on [Apple](#) & [Android](#) stores well within the project timelines with an extremely happy client.
- ✔ Few bugs – used post-production hours to add features such as payments & SMS notifications.

Driving Force Mobile App and Admin Portal

An app for field agents to carry out vehicle inspections online and offline, take photos and videos, upload and view the media items on the web portal.

 Tech Stack: React Native, React, Redux, .Net Core, SQL Server, MS Azure, Jest, React Testing Library
 Achievements:

- ✔ Introduced UI testing to teammates using React Testing Library & Cypress JS.
- ✔ Implemented background upload feature by diving into native code and using Swift libraries.
- ✔ Used Azure Message Queues to handle the load on the Media Processing Azure function.

Education

2009   BE, Electrical Engineering | NED University of Engineering & Technology, Karachi, Pakistan

CS courses: Microprocessors & Assembly Language, Computer Architecture & Organization, Logic Design & Switching Theory, Programming with C Language, Fundamentals of Computer Engineering.

Open Source contributions & other activities

- ✔ Core Contributor on [Taskell](#). Also contributed to various open source projects like [Hey Linda app for meditation](#), [TypeOfNaN JS Quizzes app](#), [Elm Ant Design](#) and various other projects.
- ✔ I love going to meetups. I gave a presentation on TypeScript ([link](#)) in Dev Edmonton Society's ExchangeJS meetup.