Ali Ahmed

SOFTWARE DEVELOPER

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Portfolio: aliahmed.netlify.com

Skills

Languages:	JavaScript ES6+, TypeScript, C#, Haskell, HTML & CSS
Front-end:	React, React Native, Vue, Elm
Back-end:	.Net Core, Service Stack, Express
Database:	MS SQL Server, MongoDB
Testing:	Jest, React Testing Library, Cypress
Cloud:	MS Azure
Misc:	Flexbox & CSS Grid, Sass, Ant Design, material-ui, elm-ui

Certifications

- Microsoft Certified Azure Developer Associate (December 2020)

Experience

FULL STACK DEVELOPER | Punchcard Systems | *July 2019 - Present*

Major Projects:

Birdie Break Mobile App & Server

Enabling easy connection between parents and baby-sitters and to provide the owners greater control over their babysitter service operating in Alberta.

Tech Stack: TS, React Native, C#, Service Stack, SQL Server, MS Azure, Stripe API, Twilio SMS.
Achievements:
- ✔ Designed and implemented the server-side and front-end application architecture, responsible for writing 70% code and reviewing the other 30%.
- ✔ 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 actually add features such as payments and 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: TS, React Native, React, C#, Service Stack, SQL Server, MS Azure, Jest & React Testing Library.
Achievements:
- ✔ Introduced UI testing to team-mates 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 load on the Media Processing Azure function.

AlignTime – Teams and Slack Bot

Internal company project to create MS Teams and Slack bots which analyze Harvest time entries to send out useful reminders and reports to users and managers.

Tech Stack: TS, React, C#, SQL Server, MS Bot Framework, Harvest API.
Achievements:
- ✔ I implemented the initial version of the MS Teams Bot that fetched data from Harvest API and sent out reminders, ascending the project from a Hackday idea to a product.
- ✔ Converted the app to allow multi-tenancy using database-per-tenant pattern.
- ✔ Converted the app and used Azure Queues to allow clients to specify their own report and reminder schedules.

Ecofitt Web Portal

An admin portal for Ecofitt managers and staff to administer the schedule and distribution of equipment, materials and technicians for various energy-saving programs across Canada, and a public page for the customers to self-schedule.

Tech Stack: TS, React, C#, Service Stack, SQL Server, Pronto Forms.
Achievements:
- ✔ The first project where the organization used Agile methodology, I suggested many improvements to the process including client access to the board.
- ✔ Introduced React Hooks to teammates and created many reusable custom hooks.

I strive to improve continuously and thus, in my spare time, work on my side projects, take courses and read books to improve my skills. My side projects can be viewed on my portfolio *and* github.

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.

Interests / Other Activities

- ✔ Contributed to open source repositories during Hacktoberfest 2018, 2019 & 2020.
- ✔ Participated in Advent of Code 2020.
- ✔ My interests include Functional Programming, Mathematics, Science, Bridge & video games.