

Ali Qumail

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SUMMARY

Software Engineer with 1.5 years of experience in .NET, Angular, and React, skilled at crafting both backend and frontend solutions. Proficient in English and passionate about delivering impactful web applications.

EDUCATION

FAST NUCES

BS Computer Science

Lahore, Pakistan

2019 - 2023

O/A levels

Majors: Mathematics, Physics and Computer Science

Lahore, Pakistan

2014 - 2019

TECHNICAL SKILLS

Programming Languages: TypeScript, C#

Libraries and Frameworks: .NET Core, Angular, React, SQL, Docker, RabbitMQ, SignalR

Other Tools: Git, Github, Postman

WORK EXPERIENCE

Full Stack Engineer

Octopus Digital - Avanceon MEA, Pakistan

April 2023 - Present

- Octopus Digital, an Avanceon subsidiary, helps businesses digitalize their manufacturing, supply chain, and financial workflows backed by strategic and operational maintenance support services in the US, Middle East, and South Asia.
- Developed an IoT Platform capable of managing thousands of IoT tags, using **Angular** and **.NET 6**.
- Implemented role-based authorization using Microsoft Identity and enhanced security by implementing refresh tokens.
- Optimized codebase by creating shared **Angular** components, resulting in a 40% reduction in overall code size in a module.
- Designed APIs using **.NET 6** to process 100,000 or more IoT tags from spreadsheets and efficiently create them in **SQL** databases, and further optimized code achieving a 25% reduction in processing time.
- Developed a web interface for a leading oil and gas company to filter mass data based on different parameters such as date range, site, customer, tank etc.
- Utilized **SignalR** to send real-time messages for managing user accounts and permissions, including invoking and revoking access.

Backend Developer Intern

The Dev Corporate, Pakistan

Aug 2022 - Oct 2022

- TDC is a service-oriented company specializing in assisting US-based startups in developing cutting-edge software solutions for the future.
- Developed CRUD, User Authentication APIs, and backend for a Time Tracking Application using **Nest.js**, and **MongoDB**. Tested, deployed, and documented APIs on Heroku, following best coding practices and utilizing Git/GitLab for version control.

PROJECTS

- **CrypSimulator - Virtual Crypto Trading Platform** (.NET Core, Angular, PostgreSQL, MongoDB, RabbitMQ), Our virtual trading platform for cryptocurrencies lets you start with a customizable initial amount and trade over 100 cryptocurrencies. It features detailed price history with chart visualizations and allows you to track and compare your profits or losses from trading activities. [GitHub](#)
- **MyLedgerPro** (Angular, .NET, MySQL), Developed a ledger application for financial management, offering a user-friendly interface, financial tracking, reporting, and visual graphics. [GitHub](#)
- **ChartGenious** (Angular), The application enables users to upload spreadsheets containing data and then visualize the data using various chart types (such as bar, pie, polar, etc.). Users can also analyze the data by sorting and trimming for better insights. [Github](#)

ACHIEVEMENTS

- Won 2nd Position in the Programming Hackathon held by Devsinc, among 200+ participants all over Pakistan

CERTIFICATIONS

- Build ASP.NET Core Web API - Scratch To Finish (.NET 7 API) by Sameer Saini
- The Complete 2020 Web Development Bootcamp by Angela Yu
- Build a Microservices App by .Net & NextJS from Scratch by Neil Cummings [In Progress]