

# Shayaan Ahmed FAROOQI

## Software Engineer | Fullstack Developer

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As an aspiring professional software engineer, I am always looking for opportunities to learn, improve my craft and architect better solutions. I enjoy exploring new problem domains independently. My goal is to keep growing and help solve increasingly complex problems.

## TOOLS AND TECHNOLOGIES

Programming Languages	.NET (C#), Javascript, Typescript, CSS, Python, R
Frameworks	React, ASP.NET Core, Gatsby, Qt(PySide), PyTorch
Databases	Microsoft SQL Server, PostgreSQL, SQLite, DynamoDB, FaunaDB, MongoDB
Development Tools	VS Code, Visual Studio, git, Rider, Docker, Github, Gitlab
Project Management Tools	Asana, Jira
Cloud Services	Netlify, AWS (AppSync, Cloudfront, DynamoDB, Lambda, CDK, Cognito, Neptune)

## EXPERIENCE / PROJECTS

Ongoing January 2021	<b>FullStack Developer, MyMo, Pakistan</b> <ul style="list-style-type: none"><li>Implemented reusable React Hooks and components.</li><li>Integrated Gmail API to sync user mails and contacts in the browser with partial sync and batching to minimize network requests. Create filters based on user created items.</li><li>Integrated Microsoft Graph API with .NET to sync mails and contacts on the server. Create message rules from user created items.</li><li>Helped port web app to mobile (Android) with <b>Ionic Capacitor</b></li><li>Assisted in migrating frontend codebase to React 17.</li><li>Setup push notifications via PubNub and Firebase Cloud Messaging.</li><li>Implemented client side push notifications with <b>PubNub</b></li><li>Implemented native google login for android with capacitor.</li><li>Integrated Asana tasks into the app.</li><li>Integrated Salesforce into the app by allowing a custom user defined mapping from Salesforce entities like opportunities or leads to tasks in the app.</li></ul> <div><div>React</div><div>ASP.NET</div><div>EF Core</div><div>LINQ</div><div>Gmail API</div><div>Microsoft Graph API</div><div>Asana</div><div>Salesforce</div><div>Capacitor</div><div>PubNub</div><div>Firebase</div><div>Google Cloud</div></div>
December 2021 August 2020	<b>FullStack Developer, BMS, Pakistan</b> <ul style="list-style-type: none"><li>Helped maintain and implement features for an admin portal and a user portal.</li><li>Implemented reusable React hooks and components for displaying search-able grid of paginated entities.</li><li>Implemented controllers, services following a decoupled architecture as required for user facing features.</li><li>Wrote queries to extract/write data from/to SQL server.</li><li>Implemented queries to calculate and aggregate monthly / annual KPIs.</li><li>Implemented graphs with react components to visualize KPIs in parallel to existing workflow/work-sheets in excel.</li><li>Implemented logic to allow admins to assign E-library recommendations for users.</li></ul> <div><div>React</div><div>ASP.NET</div><div>EF Core</div><div>LINQ</div></div>
April 2021 November 2020	<b>FullStack Serverless Intern, PANACLOUD, Pakistan</b> <ul style="list-style-type: none"><li>Worked with team to maintain public github repository for learning aws-cdk.</li><li>Serverless deployments to Lambda with DynamoDB and infrastructure as code with aws cdk.</li><li>Explored React applications with GraphQL via AppSync.</li><li>Explored graph databases with Neptune</li></ul> <div><div>React</div><div>Netlify</div><div>AWS</div><div>AppSync</div><div>Cloudfront</div><div>DynamoDB</div><div>Lambda</div><div>CDK</div><div>Cognito</div><div>Neptune</div></div>

## EDUCATION

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2019	Bachelor of Science in Applied Physics (NED University) GPA: 3.62/4.0
2015	A-levels (St Patrick's High School) 4A* 2A
2013	O-levels (Army Public School Saddar) 7A* 2A

## AWARDS

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Scholarship	8/8 Semesters for High academic achievement, Oxbridge (NEDUET)
Laptop	High academic achievement, NEDUET
Gold Medal	Highest grade in physics, St Patrick's
Gold Medal	Highest grade in chemistry, St Patrick's
Gold Medal	Highest grade in mathematics, St Patrick's
Gold Medal	Outstanding A level grades, St Patrick's
Silver Medal	Second Highest grade in economics, St Patrick's
Distinction	Highest grade in chemistry, Cambridge
Financial Award	Top O level grades and distinction, APS

## COURSES AND CERTIFICATIONS

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- › Reproducible Research - *June 13, 2020*
- › Statistical Inference - *May 20, 2020*
- › Exploratory Data Analysis - *May 11, 2020*
- › Getting and Cleaning Data - *May 10, 2020*
- › R Programming - *March 17, 2020*
- › Machine Learning - *March 1, 2020*
- › Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization - *Feb 15, 2019*
- › Programming Languages - *Jan 31, 2019*
- › Neural networks and deep learning - *Nov 29, 2018*