**Muhammad Raza Shah**

A result-driven full-stack software engineer with 5+ years of experience in the implementation of Software Development Life Cycle (SDLC) in an agile environment. Expert in writing secure, readable, and easily maintainable source code in open-source environments such as NodeJS, ReactJS, and AngularJS. A skilled communicator, and self-motivated individual with excellent troubleshooting and analytical skills whilst having exposure to working with both business and technical stakeholders. Adapts quickly to changing requirements while maintaining a level head under pressure.

**Academic Summary:**

Master of Science in Computer Science

Bachelor of Science in Computer Science

**Certification/ Training Summary:**

* JavaScript Complete Grandmaster 2022
* SOLID Principles: Introducing Software Architecture & Design
* Using React Hooks
* Getting Started with Google Kubernetes Engine
* Unit Testing for Typescript & NodeJs Developers with Jest
* Mobile Development Architecture
* Clean Code
* OWASP top 10 Web Application Security for Absolute Beginners
* Understanding APIs and RESTful APIs Crash Course
* Software processes and Agile Practices
* Agile Development Specialization
* Continuous Delivery & DevOps

**Tech Stack/ Skills:**

* **Languages:** JavaScript, TypeScript, C#, C++, TSQL, Python, Java
* **Web Development:** ReactJS, NodeJS, AngularJS, jQuery, AJAX, ASP.Net Core, ASP.Net (Web API, Web forms and web pages), Entity framework, MS SQL Server, MySQL, HTML
* **Other Tools:** Docker, SonarQube, ESLint
* **Version controlling:** GIT, Gitlab
* **Database:** MongoDB, MSSQL, MySQL,
* **Work Environments:** Agile (Scrum, Kanban)

**Work Summary:**

**Non-Profit Fund-Raising – Web Application & Backend Processes**

**Environment: ReactJS, NodeJS, MongoDB, Scrum, Zoho Sprints, GIT, Stripe**

**Outline:** A web application where users can donate to different types of causes and show their support by participating in ongoing campaigns. The product included scheduled jobs running at different intervals to perform tasks related to calculations of amounts for a given cause or even to notify users when their support was requested or an action performed on their behalf.

**Responsibilities**:

* Developed new features
* Worked on the backend as well as the frontend of the application
* Worked on troubleshooting and fixing bugs
* Built REST APIs for exposing data with the web client
* Built scheduled services
* Optimized processing time to reduce server response time
* Integrated payment merchant

**Public Facing Charity Application – Mobile Apps and Management Web Portal**

**Environment: ReactJS, Native iOS, Native Android, .Net Core Web API, RESTful API, EF, MS SQL Server, Swagger, JWT, GIT, Zoho Sprints, Scrum**

**Outline:** A public-facing mobile app where users can pay charity on a subscription model and one-time payments, consisting of a Web interface for management so the operations team can execute the received amounts accordingly and reports for finance.

**Responsibilities**:

* Led the development of the web portal
* Integrated Payment merchant for subscription and one-time payments
* Developed APIs to be consumed by Mobile and Web Portal
* Worked on Notification services for users
* Carried out subsequent payment handling through received webhooks

**NGO’s Volunteers collaboration & donation recording Application – Web & Mobile Based App**

**Environment: ReactJS,** **.Net Core Web API, EF, MS SQL Server, Swagger, JWT, GIT, Zoho Sprints, Scrum, Native iOS, Native Android**

**Outline:** A large-scale mobile app platform that provides geographically spread-out volunteers access to record donations received from their specific donors for specific causes. The mobile app consisted of functionalities like a recording of donations, providing digital receipts, and an overview of campaign activity and achieved targets. The web portal was used by the operations team, finance, and top-level managers to view their volunteers’ records and modify recordings or add any missed-out donations.

**Responsibilities**:

* Developed APs and API documentation
* Used React.js for the frontend development
* Wrote Mock APIs for the frontend team and QA team to start early and finish times in the sprint
* Assisting the QA team in understanding achieved sprint goals
* Worked on the development of a web portal

**Non-profit fund-raising app’s Report Portal – Web Application & Backend APIs**

**Environment: NodeJS, MongoDB, Angular, Scrum, Zoho Sprints, GIT**

**Outline:** A reporting portal for the fund-raising website to be used by operations and finance to fetch reports on a daily basis consisting of different timelines and different types of causes.

**Responsibilities**:

* Communicated with the client and understood the business requirements
* Developed new functionalities using Node.js
* Added new features to existing functionalities
* Troubleshoot bugs and provided fixes without affecting existing functionality
* Worked as a part of an international team and had frequent meetings with offshore business stakeholders
* Modified existing configurable controls and provided new configurable settings where applicable

**Online School Homework / Tuition Help – SPA Web Application**

**Environment:** **AngularJS, ASP.Net Web API, MS SQL Server, OAuth, Single Sign-on**

**Outline:** An online public-facing homework help portal where students from different grades could sign up using external logins such as Google and Facebook. Students can select their grade and subject and can raise a question regarding their problem with the ability to upload an attachment. Pre-vetted tutors satisfying the grade criteria then receive an email with the new question along with a direct link to it so they can provide an answer and the student is notified via email once the question has been answered.

**Responsibilities**:

* Worked on the development of backend APIs
* Developed the frontend of the web portal
* Added and modified features and fixed bugs
* Integrated the payment merchant