

SYED EMAD UL HAQ

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SUMMARY

Dedicated software engineer with 3 years of hands-on experience, specializing in JavaScript, TypeScript, and Java. Proficient in building efficient applications using modern technologies like React, Node.js, and Spring Boot. Skilled in optimizing performance and streamlining processes, with a strong track record of delivering impactful solutions. Experienced in collaborating within cross-functional teams and deploying to cloud environments such as AWS.

WORK EXPERIENCE

Software Engineer

Astera Software -Remote

July 2022 – August 2023

West lake Village, California

- Developed an automated data prediction pipeline, with React.Js Typescript, and Rest API, allowing automatic data tracking and an 80% reduction in deployment time.
- Empowered clients to directly deploy server to EC2, Utilizing AWS EC2 SDK, eliminating the need for manual interactions with AWS.
- Integrated React Router for seamless navigation within the analytic dashboard, resulting in a smoother journey between different sections of the application.
- Optimized existing portals, built-in React JS and Redux, achieving a 40% reduction in load time.
- Developed an API tracking dashboard, with React, Typescript, and Redux, allowing live data tracking.
- Implemented an Event-driven Architect, with C#, Drag Events, and Custom EventHandler, enabling users to track 100% Graph interactions.
- Utilized the Observer pattern to de-couple code logic, using WPF and Net Core, resulting in a 100% reduction in application flickers.
- Collaborate in an agile manner with cross-functional teams to reduce application bugs, using Azure, reduced user interaction bugs by 80%.

Associate Software Engineer

Systems Ltd

Sep 2021 – July 2022

Karachi, Pakistan

- Developed an automated student screening process, leveraging Spring Boot and MySQL, reducing manual infrastructure cost by 90%.
- Led backend development of 6 large-scale projects in a span of 11 months, earning the company over 80 Million PKR.
- Architected automated emailing system, using SendGrid and Socket.io, reducing manual email sending time by 100%.
- Engineered dynamic point scoring system in collaboration with HEC, using Spring Boot and MySQL, leading to 0% calculation errors.
- Coordinated with clients to streamline the scholarship data collection process, with Spring Boot, reducing resource allocation from 8 to 2 developers.
- Worked in a payment portal, using React, Typescript, and Redux, which led to a 20% reduction in system processing time.
- Integrated Google captcha and OAuth 2.0, in React, for enhanced security against fraud.
- Implemented responsive and mobile-first design principles, with React and CSS, increasing mobile user engagement by 40% and improving accessibility.
- Leveraged Node.js event-driven architecture to implement real-time features using libraries like Socket.IO, enhancing user engagement and leading to an increase in user interaction.
- Collaborated with cross-functional teams and clients to deliver high-quality applications on time.
- Employed Spring JPA's pagination capabilities to manage extensive datasets intended for frontend transmission.

Software Engineer

Akademi - Startup - Part time

Sep 2021 – May 2023

Karachi, Pakistan

- Created a real-time communication channel, using Agora Web RTC and Node, allowing users to take live classes.
- Integrated interactive whiteboard, using Agora Whiteboard SDK, Node, and React, enabling virtual learning.
- Created validated typing flow, using Tiny, MathJax, and React. 30,000 plus questions typed in 5 months.
- Optimized live streaming channels, with Agora and Node JS, resulting in a 50% cost reduction.
- Created a learner app, using React Native and Redux, allowing students to take live classes and tests.
- Architected and developed a scalable and high-performing microservices ecosystem using Node.js and Spring Boot.
- Initiated code refactoring procedure to improve product codebase, resulting in better performance.
- Developed an educator panel, using React, Tailwind CSS, and Spring Boot, with efficient tools for seamless classroom management and data-driven insights.
- Built Analytics dashboard to track performance, enabling admins to make data-driven decisions.

Assistant Developer

June 2020 – Aug 2021

Peers - Startup - Part time

Karachi, Pakistan

- Developed an application that enables users to connect with domain experts to acquire knowledge. Additionally, the app's admin panel allowed us to monitor and analyze user journeys effectively.
- Integrated invoice generation functionality, using Node JS, allowing admin to create and send invoices.
- Effectively Clarify complex technical concepts to non-technical stakeholders.
- Improved user analytics feature, effectively reducing page load times from one minute to under 2 seconds.
- Used React and Tailwind CSS to create responsive and user-friendly UI components.
- Incorporated data visualization graphs, using Chart JS, allowing admin to track user and connection data.

Full Stack Developer

Dec 2020 – Aug 2021

Agora - Startup - Part time

Singapore

- Optimize testing API, using Node.JS and Mongo DB, response time decreased from 5 seconds to 1.
- Built exam testing in the app, using React Native and Node JS, contributing to 80% more engagement.
- Added paper checking feature, with React and Redux, test checking time improved from 2 to 5 tests per hour.
- Automated score calculation for MCQ test, using Node js, reduced MCQ exam checking time by 100%.

EDUCATION

IBA Karachi

July 2021

Bachelors of Computer Science

Karachi, Pakistan

SKILLS

- | | | | |
|--------------|---------------|----------------|---------------------------|
| • JavaScript | • React | • ES6 | • AWS EC2, Amplify and S3 |
| • Typescript | • Node | • Express | • Kafka |
| • Java | • Spring Boot | • Tailwind CSS | |