


## Syed Mahafuzul Hassan - Software Engineer

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### PROFESSIONAL SUMMARY:

Highly skilled and results oriented React Software Engineer with 4 years of experience in designing and developing complex web applications. Adept at executing software solutions with a focus on secure and scalable code. Proven record of accomplishment of contributing to agile teams and ensuring the delivery of trusted market-leading technology products.

### SKILLS:

- Proficient in Typescript and React for building complex web applications.
- Solid understanding of the Software Development Life Cycle.
- Hands-on experience with CI/CD, Applicant Resiliency, and Security in an agile environment.
- Seasoned with Redux and Context API for state management and experience with unit testing using Jest.
- Exceptional problem-solving skills, adept at troubleshooting and optimizing systems across multiple programming environments.
- Proficiency in PHP with a focus on the Laravel framework, coupled with project experience in Python and Java, showcasing advanced application development and strong project management skills.

**Languages, frameworks & tools:** Proficient in JavaScript, Typescript, PHP, Java, Python, Kotlin, React, Redux, Laravel, HTML/CSS, Tailwind and GIT.

### WORK EXPERIENCES:

**Web Developer** | Freelance |  September 2023 – Present

- Implemented responsive design principles, resulting in a 25% increase in mobile user satisfaction.
- Contributed to the migration of a legacy system to React, ensuring a seamless transition and minimal user disruption.

**Software Engineer** | AlgoMatrix BD Ltd. |  September 2020 – September 2022

- Led the development of the customer portal using Typescript and React, resulting in a 20% improvement in user engagement.
- Collaborated with cross-functional teams to integrate GraphQL for improved data fetching, enhancing the overall system architecture.
- Applied expertise in system design, leading to a 15% reduction in application response time.

**Laravel Developer** | [Freelance](#) |  September 2019 – September 2020

Demonstrated expertise in PHP, MySQL, and Laravel during my freelance tenure. Notable achievements include developing robust backends for 10+ web applications and customizing websites to meet specific client requirements. This experience has honed my skills in creating tailored and efficient web solutions.

## EDUCATION:

**Master Of Science in Computing** | University of Northampton | Graduated September 2023

**B.Sc. in Computer Science** | Leading University, Bangladesh | Graduated May 2019

## PROJECTS:

[Tax Rebate Calculator.](#), | Freelance Project | September 20223 – Present

Led end-to-end development of a robust web app using React, Redux, and TypeScript. Managed backend operations with Next.js and implemented SQL for efficient database handling.

### **Projects | AlgoMatrix BD LTD | September 2020 to September 2022**

- [Storygram](#): A social media platform for story sharing and pre-built template editing app ([Android App](#)).
- [Hurry-Up](#): An eCommerce website developed with Vue JS.
- [Codemaster.io](#): A code learning platform.
- [Hulu 2.0](#): A movie list aggregator.
- [English Janala](#): I played a pivotal role in developing the admin panel for the [English Janala](#) mobile app using Flutter 2.0.

### **Projects | M.Sc. | September 2022 to September 2023**

**[Spam Email Detection Project \(Python\)](#)**: Developed a spam email detection model using Machine Learning, including Multinomial Naive Bayes (MNB), Support Vector Machine (SVM), and LSTM (Long Short-Term Memory) neural networks. Deployed the [model](#) in Azure using Flask, enabling real-time spam detection through a user-friendly web interface.

**[Reviews App \(Kotlin & PHP\)](#)**: Developed an intuitive, responsive Android app with real-time updates, mobile/tablet support, PHP APIs, data validation, optimized performance, and bug-free results using Kotlin, PHP, MySQL, RESTful APIs, Git, XML, and JSON.

**[Home Rental Management System \(Java & JavaFX\)](#)**: Developed a Java-based Home Rental Management System with JavaFX UI, featuring property and tenant management, location analysis, sorting options, error handling, and utilizing Java, JavaFX, MySQL, Git, FXML, and JUnit.