

# Md. Salman Hossan Prottoy

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## Experience

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### Junior Software Engineer at W3 Engineers Limited

May 2021 - Present

- Currently working with Data Team and contributed to several cron projects by creating and maintaining cron jobs to process and update projects data.
- Worked with the frontend team to implement new designs and updated project structures to improve performance and user experience.
- Implement/create features in accordance with the requirements, using the Jest and Vue test utils, write unit tests for the projects, update the app structure and API requests to improve performance.

### Software Engineer Intern at W3 Engineers Limited

November 2021 - May 2022

- Worked on the front-end portion of the Multapplied project using Vue.js and TypeScript, created reusable components, integrated APIs, and fixed bugs on a daily basis.
- Introduced new technologies such as Vue.js, Flask, and beego and developed projects such as Rest APIs using beego, Swagger UI, and PostgreSQL, web scraping using Flask and MySQL, and data visualization using Chart.js, Vue.js, and InfluxDB.

### Teaching Assistant Intern at American International University-Bangladesh

May 2021 - August 2021

- Assisted the Web Technologies course instructor and helped more than 80 students to improve their lab tasks.

## Education

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### American International University-Bangladesh – Bachelor of Science in Computer Science & Engineering

2018 - 2021

CGPA: 3.60/4.00

### Chittagong Cantonment Public College – Higher Secondary Certificate

2015 - 2017

GPA: 4.92/5.00

### Chittagong Cantonment Public College – Secondary School Certificate

2015

GPA: 5.00/5.00

## Technical Skills

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**Programming languages** : JavaScript, Python, TypeScript, Go, C/C++

**Frameworks & libraries** : Vue JS, React JS, Django, Beego, Node JS

**Databases** : PostgreSQL, Elasticsearch, MySQL, MongoDB

**Tools** : Git, Firebase, Heroku

## Projects

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### Customer Relation Management Software (Academic) – GitHub

November 2020 - January 2021

- A SaaS (software as a service) application that manages customer relationships for small business organizations.
- Technologies: Bootstrap, Express.js, Laravel, MySQL, MongoDB, API, MVC architecture, Microservices with Node.js

### Extreme Fitness GYM (Personal) – GitHub, Website

April 2021 - April 2021

- Extreme Fitness GYM is a web application that manages customer subscriptions for a gym.
- Technologies: Bootstrap, Material-UI, React.js, Express.js, API, and MongoDB.

### Online Book Store (Personal) – GitHub, Website

March 2021 - April 2021

- A web application that can be used to conduct book.
- Technologies: Bootstrap, Material-UI, React.js, Express.js, API and MongoDB.

## Honors & Awards

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### Vice Chancellor's Award – American International University-Bangladesh

2023

- Vice Chancellor's Award for Meritorious Effort in the completion of the design project entitled "Approaches for Improving the Performance of Fake News Detection in Bangla: Imbalance Handling and Model Stacking"