

# MUHAMMAD SHAZRIN BIN SHOFFIE

[github.com/shazxrin](https://github.com/shazxrin) [linkedin.com/in/muhammad-shazrin](https://linkedin.com/in/muhammad-shazrin) [shazxrin.me](https://shazxrin.me)

## SUMMARY

Final year Computer Science student at National University of Singapore with a strong passion for full-stack development. Expertise includes building scalable backend micro-services using Spring Boot with Java and Go, with knowledge in utilizing containerization and orchestration tools using Docker and Kubernetes. Excel in crafting dynamic web user interfaces utilizing React with TypeScript using Next.js/Remix meta-frameworks.

## SKILLS

### Frontend Development

- HTML, CSS, JavaScript, TypeScript, React, Next.js, Remix, Node.js, Vite, Vitest, Jest, Playwright

### Backend Development

- Java, Kotlin, Spring Boot, Spring Framework, Go, MySQL, PostgreSQL, ActiveMQ, RabbitMQ, Redis

### DevOps

- Docker, Kubernetes, Linux, Git, CI/CD, Jenkins, GitHub Actions, Vercel

### AI/Machine Learning

- Python, Numpy, Pandas, SciKit, Tensorflow

## EDUCATION

### National University of Singapore

Aug 2021 - Present

Bachelor of Computing in Computer Science

- Expected Graduation: April 2024
- Specializations: Multimedia Information Retrieval / Computer Graphics

### Ngee Ann Polytechnic

May 2016 - May 2019

Diploma In Information Technology (Merit)

- Specializations: Solutions Architect / Game Development

## WORK EXPERIENCE

### Univers Pte. Ltd (Singapore), Software Engineer Intern

May 2023 - Aug 2023

- Built micro-services using Java and Spring Boot for robust and scalable applications. Managed databases with PostgreSQL and MySQL to ensure data persistence. Assisted in deployment of production applications using Docker and Kubernetes.
- Facilitated development of a new Extract-Transform-Load (ETL) tool by building micro-services. Increased efficiency in processing real-time IoT data by 30% faster and micro-service architecture allowed us to deliver scalable and reliable IoT solutions.

### CrimsonLogic Pte. Ltd (Singapore), Software Engineer Intern

Mar 2018 - Sep 2018

- Developed full stack applications using Java and Spring Boot. Managed databases using MySQL. Created dynamic web user interfaces using JSP and JavaScript.
- Maintained multiple web-based solutions used by about 300 organizations. Helped to improve performance of legacy codebase by migrating to updated modern libraries. Made improvements to search API making search results faster, under 1 second, ensuring users an optimal search experience.

## PROJECTS

### Bloom, [github.com/shazxrin/bloom](https://github.com/shazxrin/bloom)

Aug 2023 - Present

- Developed a time tracking application for personal use. Migrated existing time tracking spreadsheet system and added enhanced statistics for in-depth overview.
- Built frontend with React and TypeScript. Backend built with Spring Boot with Kotlin. Managed database with PostgreSQL. Deployed application on home lab server using Docker.

### TrackTogether, [github.com/very-indecisive-studios/tracktgt](https://github.com/very-indecisive-studios/tracktgt)

May 2022 - Sep 2022

- Developed a social media application for users to easily track media consumption (i.e. TV shows, books and games) and share it with other users.
- Built frontend application with React and TypeScript using Remix framework. Backend built with ASP.NET Core with C#. Managed database with MySQL. Deployed both applications with GitHub Actions with Docker and Vercel.