

# Muhammad Shazrin Bin Shoffie

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## SUMMARY

Recent Computer Science graduate from National University of Singapore. Demonstrated expertise and proficiency in frontend and backend Web Development; with experience in React, in-depth background in Java and its Java Virtual Machine, and professional experience with the Spring ecosystem. Possess knowledge and exposure in DevOps with tools such as Linux, Docker and Kubernetes. Passionate in AI/Machine Learning specifically in Natural Language Processing.

## EDUCATION

### National University of Singapore

Aug 2021 - May 2024

Bachelor of Computing in Computer Science (Distinction)

- *Specializations*: Multimedia Information Retrieval (NLP/AI)
- *GPA*: 4.15/5.0

### Ngee Ann Polytechnic

May 2016 - May 2019

Diploma In Information Technology (Merit)

- *Specializations*: Solutions Architect
- *GPA*: 3.93/4.0

## SKILLS

### Frontend Development

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

### Backend Development

- Go, Java, Kotlin, Spring Boot, Spring Framework, JUnit, Hibernate, Gradle, Maven, MySQL, PostgreSQL, ActiveMQ

### DevOps

- Docker, Kubernetes, Linux, Git, CI/CD

### Machine Learning

- Python, Numpy, Pandas, SciKit, PyTorch, Hugging Face

## WORK EXPERIENCE

### Univers Pte. Ltd, *Software Engineer Intern*

May 2023 - Aug 2023

- Maintained microservices with Spring Boot, Hibernate and PostgreSQL and deployed with Docker and Kubernetes.
- Facilitated development of a new Extract-Transform-Load (ETL) tool with ability to scale in cloud native environment.

### CrimsonLogic Pte. Ltd, *Software Engineer Intern*

Mar 2018 - Sep 2018

- Maintained full-stack web applications with Spring Framework, Hibernate, MySQL, HTML and JavaScript.
- Ensured bug-free codebase with static analysis and test cases for code coverage, reducing reported bugs.
- Improved existing search feature by writing optimal SQL queries, improving search results speed.

## PORTFOLIO

### Personal Website, [shazxin.me](https://shazxin.me)

- Built a personal website portfolio using React and Remix, deployed on Vercel.

### Home Lab

Dec 2023 - Present

- Administrate a personal home lab for running personal applications with Linux, and Docker.
- Setup private networking with Tailscale and NextDNS, and reverse proxy for personal applications using Caddy.

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

Aug 2023 - Present

- Created a personal time and habit tracking web application with React, Spring Boot, Kotlin, PostgreSQL and Docker.

### Cyberwarrior, [github.com/shazxin/cyberwarrior](https://github.com/shazxin/cyberwarrior)

April 2024 – Present

- Developed a web based card game to educate about cybersecurity with React, Python and FastAPI for the Total Defence module.

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

April 2024 – Present

- Developed a multimedia (books, game and movies) manager web application with React, C#, ASP.NET, MySQL and Docker for the Independent Software Development module.