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. My passion extends to cloud technologies such as distributed systems, containerization and orchestration.

EDUCATION

National University of Singapore   **Aug 2021 - May 2024**
Bachelor of Computing in Computer Science (Distinction)
- *Specializations*: Multimedia Information Retrieval (NLP/AI)

Ngee Ann Polytechnic   **May 2016 - May 2019**
Diploma In Information Technology (Merit)
- *Specializations*: Solutions Architect

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, PostgreSQL, RabbitMQ

Cloud
- Docker, Kubernetes, Linux, Git, GitHub Actions, Grafana, Prometheus, Azure

Data Science/Machine Learning
- Python, Numpy, Pandas, SciKit, PyTorch, Hugging Face

WORK EXPERIENCE

BIOTRONIK, *Software Engineer*   **Aug 2024 - Current**
- Develop microservices using Spring Boot, Hibernate and PostgreSQL and deployed into Azure managed Kubernetes cluster.

Univers, *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, *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, *shazxrin.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.

Gemu, *github.com/shazxrin/gemu*   **July 2024 - Present**
- Developed a personal game library management web application with React, Spring Boot, Java, PostgreSQL and Docker.
- Designed as a microservice architecture to be able to scale in Kubernetes for batch processing external database and pricing information.

Bloom, *github.com/shazxrin/bloom*   **Aug 2023 - Present**
- Created a personal time and habit tracking web application with React, Spring Boot, Kotlin, PostgreSQL and Docker.