

Kenny Tan Junrong

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WORK EXPERIENCE

ST Engineering Pte Ltd — Software Engineer

Jun 2023 – Present

- Develop and maintain enterprise-grade applications using **Java**, **Spring Boot** and **MongoDB**
- Implement asynchronous messaging with **Kafka** for high-throughput systems
- Optimize **Elasticsearch** queries for real-time data retrieval and improved search performance
- Contribute to front-end features using **React (TypeScript)** with **MantineUI** for clean, user-friendly interfaces
- Integrate **Redis** caching mechanisms to enhance performance and reduce response time
- Utilize **JaVers** for object auditing and enable traceability of data changes across services and database
- Participate actively in **Agile** sprints, including sprint planning, daily standups, retrospectives, and code reviews to maintain high code quality and team velocity

MASHWIRE Pte Ltd — Web Development Intern

Aug 2021 – Dec 2021

- Developed and revamped the organization's website using **HTML**, **CSS**, **JavaScript** with a focus on dynamic response by implementing **AJAX**
- Created interactive digital banners using animation libraries such as **GSAP**
- Converted **HTML** files to **PHP** for seamless **WordPress** integration and easier content management
- Worked collaboratively with cross-functional teams, including other web developers and UI/UX designers
- Explored and developed other digital interactive mediums such as Augmented Reality (AR) using **SparkAR**

EDUCATION

Nanyang Technological University, Singapore

Aug 2019 – Jul 2023

School of Computer Science and Engineering, Computer Science (CGPA: 4.39/5)

- Specialisation: *Artificial Intelligence and Data Science*

ACADEMIC PROJECTS

PEAR Application, Full Stack Developer

May 2022 – Apr 2023

- Developing a relational database for a Person-centred Daycare Center using **C# (ASP.NET)** with the implementation of **Entity Framework Linq** and **FluentValidation**
- Utilizing **Postman** to conduct extensive testing and debugging on APIs and **Swagger** for API documentation
- Managing the database with SQL queries using **Microsoft Server Management Studio**
- Assisting in integrating the APIs into mobile application created using **React Native**
- Documenting the development process to facilitate future maintenance and updates

TECHNICAL SKILLS

Languages:

- Java, TypeScript, Python, C#, JavaScript, HTML, CSS, PHP

Frontend Frameworks & Libraries:

- React, React Native, Mantine UI, AngularJS, Bootstrap, JQuery, AJAX, Flutter, JaVers

Backend & Server-Side:

- Spring Boot, ASP.NET, Kafka, Redis, MongoDB, Elasticsearch, Entity Framework, SQL

Tools & Platforms:

- Git, GitHub, SVN, Docker, Postman, Firebase, Microsoft SQL Server, WordPress, Swagger, Android Studio, Unity, Tkinter, SparkAR, GSAP