Koh Meng Kiat, Kenneth

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WORK EXPERIENCE

Full-Stack Engineer Intern   **Jul 2023 – Apr 2024**
Government of Singapore Investment Corporation (GIC)   Singapore
- Performed migration of 2 full-stack features of an internal web application to a standardised user interface design.
- Planned for and delivered 5 full-stack features to enhance functionality and user experience.
- Collaborated in a team of 6 to diagnose and fix 30+ functionality issues across the front and backend.
- Engineered 7 API endpoints for data consumption on the front-end and server-side data processing and computation.
- Constructed 20+ queries for data storage and retrieval to integrate and optimize data pipelines.
- Suggested 3 improvements to current implementations or API design to increase efficiency and performance.

Teaching Assistant   **Aug 2023 – Nov 2023**
National University of Singapore (NUS)   Singapore
- Taught tutorial lessons and graded coding assignments for a class of 18 undergraduate students for a computer graphics course.

Full-Stack Engineer Intern   **Dec 2021 – Jul 2022**
Superton   Shenzhen, Guangdong, China
- Created 10+ reusable front-end components for the company website to improve code quality and enforce best practices.
- Assisted the senior developer in designing and implementing 4 full-stack features to expand service offerings.
- Crafted 2 front-end elements for Search Engine Optimization (SEO), improving the click-through rate on Google by approximately 20% in 3 months.

EDUCATION

National University of Singapore (NUS)   **Aug 2023 – Dec 2024 (Expected)**
Master of Science (Management of Technology and Innovation)   Singapore
- Specialization in Data Analytics for Innovation Management (DAIM).

National University of Singapore (NUS)   **Aug 2020 – May 2023**
Bachelor of Engineering (Computer Engineering)   Singapore
- Graduated with Honours (Highest Distinction).
- Recipient of the Engineering Scholars Programme offered by the Faculty of Engineering.

PROJECTS

Personal Portfolio Website   **May 2023 – Jun 2023**
- Designed, coded and deployed a website to showcase my portfolio using React, Node.js, JavaScript and GitHub.

Laser Tag (Computer Engineering Capstone Project)   **Jan 2023 – Apr 2023**
- Developed Bluetooth Low-Energy (BLE) internal communication protocols between Bluno Beetle boards and a relay laptop using Python and bluepy library on Linux, for a 2-player laser tag system.

plEASE   **May 2021 – Aug 2021**
- Full-stack development of an Android mobile application prototype using Flutter, Dart and Firebase, for students living in university on-campus residences.
- Awarded the Apollo 11 Level of Achievement (Second Highest Level of Achievement) under the Independent Software Engineering Project (Orbital) module.

SKILLS

Programming Languages: TypeScript, JavaScript, Python, C++
Web Development: React Redux, Next.js, Node.js, HTML/CSS, Vue.js
Database Development: PostgreSQL, NoSQL
Amazon Web Services (AWS): API Gateway, DynamoDB, Lambda, S3, Redshift
Version Control & Project Management: Git (GitHub), JIRA