

## Lee Zhi Hao Bryan

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### Education

#### B.Sc. (Information Systems) | Singapore Management University

2021 - 2025

• **Courses:** Analytics Foundation, Data Structures & Algorithms, Web Application Development, Mobile Application Development, Enterprise Solution Development, Object Oriented Programming, IT Solution Architecture (AWS)

• **Dean's List AY21/22**

### Skills

**Languages:** Python, Java, Kotlin, JavaScript, TypeScript, Go, SQL, HTML, CSS

**Frameworks:** Next.js, React.js, Vue.js, Firebase, Pandas, Node.js, SpringBoot, Flask, MongoDB, PostgreSQL

**Tools:** AWS, Docker, Postman, Figma, Git, Jira, Tableau, Prisma, Drizzle

### Work Experience

#### Shopee | *Data Analyst Intern*

4 Sept 2023 – 13 Dec 2023

- Initiated and led development of cross departmental communications bot in **Python** for Shopee's cross-regional internal communication system, improving business process and workflow efficiency by **60%**
- Conducted analysis and forecasting on package revenue, monthly seller trends and projections in **Python** and **SQL**, contributing to **15%** improvement in revenue generation

#### Focus Digitech – Cybernatics Pte Ltd | *Software Engineer Intern*

8 May 2023 – 4 Aug 2023

- Developed and managed dashboards of SIEM platforms that optimized data visualization and operational efficiency in **React.js** and **TypeScript**, resulting in enhancements to a client's cybersecurity visualization infrastructure by **30%**
- Designed and implemented **NGINX-load balancing** solutions to optimize resource distribution across server clusters, improving handling of incoming traffic by **40%**
- Set up and configured numerous Linux virtual machines, implementing networking and security hardening measures for project architectures

### Projects

#### **Money-Pig – Couples Trip Expenses Application** | [Project Link](#)

- Expenses application built in **Next.js** targeting student couples going on exchange with over 50 users, that provides Firebase authentication, which allows users to create trips, log expenses & view their shared expenses

#### **Goldman Sachs Portfolio Analyzer** | [Project Link](#)

- Built an analyzer in **Next.js** utilizing **SpringBoot** and **MongoDB** that provides secure JWT authentication & real-time analysis of stock profiles (time-series, P&L analysis)

#### **Ascendas Loyalty Access Logging App – 1<sup>st</sup> Place** | [Project Link](#)

- Built an access logging application in **React.js**, with multiple backend technologies (**Express.js**, **SpringBoot**, **Flask**) that provides access control for different user roles which topped the module overall
- Fully deployed on **AWS**, utilizing **DynamoDB** for database storage

#### **Algorithm Visualizer** | [Project Link](#)

- Built a web-application in **Vue.js**, utilizing algorithms and recursion methods that visualizes algorithms in real-time with dynamic user interactions allowing users to change paths for each algorithm provided

### Extra-Curriculars

#### **Coder's Assembly Mentor**

Aug 2022 – Dec 2022

- Guide peers and juniors in **Python** and **JavaScript**, algorithms, and frontend frameworks basics by reinforcing conceptual understanding of topics in school curriculum