Lam Kee Hui

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Motivated Computing Science fresh graduate at Coventry University with hands-on experience in frontend development and full-stack projects. Built real-world web and mobile applications from scratch, including donation platforms, scheduling tools, and language learning apps. Currently seeking a junior role to contribute to impactful projects and grow as a developer.

# EDUCATION

**Coventry University, PSB Academy Singapore** *July 2023 - October 2024*

## Bachelor of Science with Honours in Computing Science

* First Class Honors

**Temasek Polytechnic, Singapore** *April 2018 - April 2021*

## Diploma in Information Technology

* Cumulative GPA: 3.16/4.00

**Institute of Technical Education, Singapore** *April 2017 - March 2018*

## Higher Nitec in Information Technology

* Cumulative GPA: 3.44/4.00

# EXPERIENCE

**Belmacs Pte Ltd** *May 2024 - July 2024*

## Belmacs Website Revamp

* Re-designed and developed Belmacs Pte Ltd's website from scratch with a team, encompassing the entire process from design to deployment on an IIS server.
* Conducted stakeholder meetings to gather requirements, review website, and discuss enhancements.
* Utilized the React framework for development and Firebase for database.
* Managed complete development lifecycle: design, development, review, and deployment.

**Acumen Bizcorp** *October 2020 - February 2021*

## Intern, Frontend Web Developer

* Developed user-facing features for an inventory management system using Angular and TypeScript, improving usability and interface responsiveness.
* Built dynamic interfaces using Angular components and form modules, streamlining user workflows for inventory operations.
* Optimized frontend performance with lazy loading and efficient API integration, achieving a 30% reduction in initial load time.
* Collaborated closely with 1 backend developer to integrate REST APIs, enabling real-time inventory data synchronization using Angular and TypeScript.

# ACADEMIC PROJECTS

**Give4Need** *July 2024 - October 2024*

## Final Year Project, PSB Academy Singapore

* Developed a web-app application using Next.js and TypeScript, that helps users discover nearby item based on their location with Google map API and allowing users to donate and claim items.
* Integrated Firebase Auth and Firestore for real-time data and secure user access.
* Integrated TalkJS chat API to support real-time 1-on-1 chat between donors and recipients.
* Designed a responsive UI with TailwindCSS to support mobile and desktop views.
* Deployed on vercel and maintained on GitHub, enabling live access and ongoing version control.

**Timetable and scheduler viewer Application** *July 2023 - October 2023*

## Data structures and algorithms, PSB Academy Singapore

* Built a scheduling tool in Python to parse and display timetable data from CSV files.
* Researched and implemented custom data structures using Python dictionaries for schedule mapping.
* Built and applied custom binary search and bubble sort algorithms for efficient data lookup and sorting time slot.
* Created a simple CLI-based user interface to view and filter schedules by date range, lecturer, course and more.

**Baba Malay dictionary IOS Application** *July 2020 - October 2020*

## Major Project for Peranakan Association, TP

* Developed an iOS dictionary app from scratch using Xcode and Swift programming language, based on a previous Android MVP version.
* Enabled bi-directional translation feature between English and Baba Malay using Firebase Realtime Database.
* Utilized Firebase Authentication for secure user account management and Firebase Realtime Database to store and retrieve dictionary entries with corresponding meanings.
* Implemented a quiz feature to help users reinforce Baba Malay learning.

**GameStore Web Application** *October 2019 - December 2019*

## Microservices, TP

* Developed a RESTful e-commerce backend using ASP.NET Web API and Entity Framework 6 for managing game listings, comment, and user data.
* Integrated PayPal API for secure online transactions, enabling seamless game purchases.
* Implemented Disqus API to allow users to post reviews and feedback after purchase.
* Designed and structured the backend to simulate a microservices architecture within a modular application setup.

# SPECIALIZED SKILLS

* Full-Stack Web & Mobile Development
* Object-Oriented Analysis and Design
* Data Structures & Algorithms
* Software Engineering
* Microservices

# SKILLS

* **Languages:** Proficient in English and Chinese
* **Programming Languages:** Typescript, JavaScript, Python, Swift, C#, Java, Objective C
* **Database Management:** MySQL, Google Firebase, MongoDB
* **Web/Mobile Frameworks**: Next.js, React, ASP.NET, Ionic, Angular, Bootstrap, Tailwind CSS
* **Digital Skills:** Microsoft Office, Microsoft Visual Studio, Android Studio, Xcode

# AWARDS AND ACHIEVEMENTS

## Certificate of Service (COS):

Awarded "Outstanding" conduct grade upon completion of Full-Time National Service (NSF).

# HOBBIES AND INTERESTS

* Enjoys running, badminton, gaming.