Lai Carson

Petaling Jaya, Selangor

+60 16-212 5882 | laicarson.swe@gmail.com | linkedin.com/in/l-car | github.com/carsnl

EDUCATION

Monash University   Subang Jaya, Selangor
Bachelor of Software Engineering (First Class Honours); GPA: 3.78/4.00;   *Oct. 2020 – Nov. 2025*

- Awards: Monash High Achiever Award (2020-2025), Deans Honours List (2022-2023), Industry-Based Learning Scholarship
- Coursework: Object-Oriented Programming, Algorithms and Data Structures, Software Testing, Design Patterns, Mobile Application Development, Databases, Big Data Processing, Data Analytics

WORK EXPERIENCE

Netizen Testing Sdn. Bhd. (Netizen eXperience)   Shah Alam, Selangor
Web Development Intern   *Nov. 2024 – Feb. 2025*

- Enhanced an internal hiring dashboard in Next.js that processes job applications by implementing new features like application history and filtering, utilising CRUD operations on DynamoDB with Zod data validation to improve application tracking.
- Revamped the hiring dashboard UI according to Figma designs provided by the UI/UX team, ensuring responsiveness across different screen sizes.
- Adhered to Agile practices throughout the development process, participating in daily stand-ups, sprint planning and reviews with the Project Manager and Product Owner; contributed to improving team efficiency by proposing changes to existing development practices.
- Participated in code reviews with other developers to clarify design choices, identify potential issues, and suggest improvements to ensure code readability and maintainability.

TIME dotCom Bhd. (TIME)   Shah Alam, Selangor
Operations Support Systems Intern   *Jul. 2023 – Dec. 2023*

- Developed object-oriented PHP scripts to log the daily network performance of 487 Linux single-board computers and issue alerts on performance degradation; led a presentation to explain the design and operation of the alert system to 2 other teams.
- Developed a PHP script that processes up to 400GB of customer data and generates an HTML email containing a daily summary report.
- Developed Bash scripts that automate the installation and set-up of single-board computer drivers; identified and fixed defects in Bash scripts.
- Implemented an automated alert system using Telegram Bot API and Grafana that monitors the resource utilisation of 15 Linux virtual machines.

PROJECTS

E-Wallet Android Mobile Application *(Dart/Flutter)*

- Designed a survey that gathered user experiences of existing e-wallets from over 130 respondents.
- Developed the front-end of several pages based on high-fidelity Figma prototypes and survey feedback; integrated data from a custom REST API, and displayed geographical data through Google Maps API.
- Developed custom components to improve code reusability and standardise UI in a 7-man team.

News Aggregator Web Application (*JavaScript, HTML, CSS*)

- Developed the responsive front-end of a web application that displays news articles from various online sources based on search queries and filters provided by the user.

SKILLS

Technical	JavaScript, TypeScript, Python, Java, Dart, PHP, Bash, R, HTML, CSS, SQL, NoSQL
Languages	English (GCE-O: 1A), Malay, Mandarin