

Kaviraj Vijayanthiran

+60 12-325 2026 | 023kavi@gmail.com | [LinkedIn](#) | [GitHub](#)

Final year software engineering student with a drive for exploring and working on the latest software technologies. Experienced in building full-stack applications and DevOps practices such as deployment automation, infrastructure provisioning and systems administration. Seeking a **full-time Software Engineering role in September 2025** that integrates software development skills, cloud computing and DevOps practices.

Skills

Programming: JavaScript/TypeScript, HTML, CSS, Java, Python, Scala, Kotlin, Dart, PHP

Frameworks: React.js, Expo, Express.js, FastAPI, Spring Boot, Flutter, Android Jetpack

DBMS: MySQL, PostgreSQL, SQLite, Oracle

DevOps: GitHub, Docker, AWS, Linux, Jenkins, CI/CD, Apache/Nginx, Prometheus, Bash/PowerShell

Certifications: Microsoft Azure AI Fundamentals (AI-900)* & AI Engineer Associate (AI-102)

*Ongoing

Education

Bachelor of Software Engineering

August 2022 – Present (August 2025)

Sunway University & Lancaster University

Foundation Programme (Computing & Technology Route)

July 2021 – May 2022

Asia Pacific University - CGPA 3.67

Professional Experience

Software Engineering Trainee

January 2025 – April 2025

Exabytes Enterprise Sdn. Bhd.

- **Automated provisioning and validation of virtual machines** by developing a full stack React, Express & PostgreSQL application.
- **Implemented Infrastructure as Code (IaC)** with Terraform, CloudFormation & AWS CDK to provision resources and deploy applications on AWS.
- **Streamlined deployments** of applications and docker images through automated CI/CD pipelines using Jenkins, AWS CodePipeline & GitHub Actions.
- **Monitored real-time system resource metrics** with Prometheus and **implemented automated system data collection** using Bash & PowerShell scripts with scheduled execution.

Projects

GrabEx – AI-Powered Sales & Customer Retention Dashboard

April 2025 | [GitHub](#)

1st Place - Universiti Malaya Hackathon 2025 | React.js, FastAPI, PostgreSQL, Gemini 2.5 Flash, Docker

- **Developed a full-stack web platform** to help merchants re-engage lapsed customers and optimize inventory decisions using **natural language prompts**.
- **GrabBack:** Implemented a customer re-engagement system that delivers **personalized promotions based on historical order data**.
- **GrabCast:** Built a forecasting tool that **predicts daily sales and suggests optimal stock levels**.
- Deployed using **Docker** for modular development and ease of deployment; designed interactive UI with **React.js** + **Mantine** and backend API with **FastAPI**.

IxC Pay – Offline Payment System

August 2024

ImpactXChange Hackathon 2024 | Flutter, Express.js, React.js, PostgreSQL

- Participated in a 9-day hackathon programme with workshops focusing on **sustainability and green coding**.
- Collaborated in a team of three to develop a fully functional **offline peer-to-peer payment system**, designed for areas with limited internet connectivity.
- Built a cross-platform **mobile app in Flutter**, with a **React.js dashboard** and **Express.js + PostgreSQL backend** for handling transactions.

CityWatch – Community Issue Reporting Platform

November 2023 – December 2023 | [GitHub](#)

Group Project – Sunway University | HTML, CSS, PHP, XAMPP Stack

- Designed and built a functional **forum-style website** for residents to **report and track township issues** (e.g., potholes, streetlight outages, water disruptions).
- Implemented **user authentication**, and **admin moderation** features using PHP and the XAMPP stack.
- Styled a **clean and intuitive UI** with HTML/CSS, enabling a simple and accessible reporting experience.

Awards

- 1st Place Winner of Domain 3: Economic Empowerment through AI, Universiti Malaya Hackathon – April 2025
- 2nd Place Winner of Taylor's University Battlebots Competition – June 2024
- Top 10 Finalist of Data Science Challenge, Techlympics Malaysia – November 2023
- Jeffrey Cheah Entrance Scholarship – August 2022