

Kaviraj Vijayanthiran

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Final year Software Engineering student at Sunway University with hands-on experience in full-stack development, cloud infrastructure, and DevOps. Proficient in technologies like React.js, Node.js, Typescript, AWS/Azure and Docker with a track record of award-winning hackathon projects and a recent internship at an established cloud and web hosting provider. Actively seeking a **full-stack Software Engineering role** starting **September 2025**.

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)

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 - UM Hackathon 2025 | React.js, FastAPI, PostgreSQL, Gemini 2.5 Flash, Docker

- Secured **first place** in a large-scale hackathon, **outperforming over 1,000 participants** from 113 universities.
- **Developed a full-stack web platform** to help merchants re-engage lapsed customers and optimize inventory decisions using **natural language prompts**.
- 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, UM 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*