

SUTANTH A/L KUNSURAMAN

Software Engineer – Full Stack Development | Fresh Graduate | Web & Mobile Applications

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PROFESSIONAL SUMMARY

Fresh graduate in Software Engineering from Universiti Tun Hussein Onn Malaysia with strong academic standing (CGPA 3.66) and four-time Dean's List recipient. Equipped with robust full stack development skills, particularly in React.js, Next.js, TypeScript, Node.js, Firebase, MongoDB, and SQL Server. Successfully delivered impactful projects such as the IE Portal for Jabil and Whiskit.co mobile ordering system, which was published by UTHM. Recognized for independently developing a complete real-time mobile solution that reduced manual errors by 70%. Proven ability to integrate cloud technologies, automate manual processes, and implement secure authentication, database management, and reporting modules. Highly motivated to contribute technical expertise and creative solutions as a dynamic Full Stack Software Engineer.

CORE EXPERTISE

- Full Stack Web & Mobile Development
- Frontend Development (React.js, Next.js, React Native)
- Backend Development
- Cloud Integration
- Database Management
- REST API & Authentication
- UI/UX Design & Prototyping
- Data Visualization & Process Automation
- Agile Development & Git Workflow
- Project Dashboard & Scheduling Tools
- Real-Time Application Development

NOTABLE ACHIEVEMENTS

- **Developed full-stack IE Portal System** for Jabil, streamlining project tracking and dashboards for the Industrial Engineering team using React, SQL Server & Gantt chart tools.
- **Created and deployed Whiskit.co mobile ordering app** using React Native & Firebase, reducing order errors and customer wait time by **up to 70%**.
- **Awarded publication in AITCS Journal** for final year project Whiskit.co, recognizing academic and practical excellence in real-time mobile application development.

INTERNSHIP EXPERIENCE

Industrial Engineering Intern

Feb 2025 – Aug 2025

Jabil Circuit Sdn. Bhd., Penang

- **Spearheaded the full-stack development** of the IE Portal System using React, Express.js, ASP.NET, and SQL Server to centralize announcements, training modules, and project dashboards **improving team efficiency and collaboration**.
- **Designed and integrated dynamic admin dashboards** that visualize real-time industrial KPIs such as (Good Cycle Time %, Completion %), and Process stats **enhancing production monitoring capabilities**.
- **Implemented an advanced Gantt Chart interface** linked to backend Digital Project Link tables, allowing engineers to edit timelines and track dependencies **increasing project planning visibility**.
- **Collaborated with cross-functional engineers and stakeholders** to understand system requirements and deliver modules that support engineering workflows, audits, and productivity tracking.
- **Contributed to the frontend of EST1C**, a live tool performance system, by building interactive visual components that displayed machine status and uptime trends **supporting data-driven decisions on the shop floor**.

IT Intern

Jul 2021 – Oct 2021

IPD Kuala Muda, Police Headquarters, Kedah

- **Developed the Crime Case Management System** for the Commercial Crime Investigation Department to streamline case lifecycle tracking **reducing document retrieval time by 30%**.
- **Created user-friendly interfaces** for status updates, document uploads, and reporting dashboards, resulting in **positive feedback from officers on usability and efficiency**.
- **Compiled data-driven briefing reports** for ongoing cases and presented key statistics to senior personnel **improving information clarity during weekly meetings**.

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- **Assisted in technical training and onboarding** of officers into the new system through hands-on sessions, manuals, and support **ensuring seamless user adoption**.
 - **Maintained database consistency and case logs** by auditing data entries and supporting continuous updates, which helped the department **transition away from paper-based processes**.
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PROJECT EXPERIENCE

Jabil IE Portal System

Feb 2025 – Aug 2025

Full Stack Developer

Tech Stack: React.js, TypeScript, Vite, Material UI (MUI), Express.js, ASP.NET, SQL Server, JWT, Axios

- Built and deployed a centralized IE Portal for Jabil Industrial Engineering team to streamline project tracking, training, and internal communication. Implemented interactive Gantt charts and live KPI dashboards, improving visibility of project timelines and real-time metrics. Integrated secure JWT-based authentication and SQL Server data pipelines to eliminate manual tracking and enhance data accuracy. Reduced manual coordination and tracking overhead by over 60%. Enhanced visibility into project timelines and KPIs across departments. Improved onboarding of new engineers by centralizing training and project documentation.
- **Core Modules:**
 - **IEDB 3.0 Dashboard** – Visualizes (Completion %, Good CT %, and Assembly metrics) to help engineers monitor shop floor productivity.
 - **IE Project List & Viewer** – Displays ongoing and planned projects with search, filter, and status tracking.
 - **Gantt Chart Manager** – Fully interactive project timeline with dependency links, progress bars, and task classifications.

EST1C Real-Time Dashboard

Feb 2025 – Aug 2025

Tech Stack: React.js, TypeScript, Vite, Material UI (MUI)

- **EST1C Real-Time Dashboard** is a web-based system developed for Jabil's Industrial Engineering team to monitor live production performance on the shopfloor. The system allows engineers to view real-time data such as tool performance, production counts, and operating status across different categories like Workcell, Plant, and Brand. As the frontend developer, I redesigned the user interface using React.js, TypeScript, Vite, and Material UI to align with engineering KPI standards. I implemented tabbed navigation for better data segmentation, rebuilt chart components for visual clarity, and ensured full support for dark mode and responsive layouts. These improvements helped engineers access critical production insights faster and more efficiently

Whiskit.co Mobile Ordering System

Oct 2024 – Jan 2025

Sole Developer, Final Year Project – UTHM (Published in AITCS Journal (Vol. 6, No.1, 2025))

Tech Stack: React Native · Firebase (Auth, Firestore, Storage) Stripe API · Expo

- Developed a real-time mobile ordering app for a custom tart and cupcake shop in Gombak to replace manual ordering, reduce wait times, and improve communication. Implemented secure login/signup with Firebase Auth, real-time database, and image uploads via Firebase Storage. Integrated Stripe Payment Gateway for in-app transactions, with robust form validation. Designed dynamic user interfaces for customers, staff, and admin roles. Enabled admin dashboards, sales reports via Firestore queries, push notifications, and feedback tracking. Reduced manual order errors by 70%, enabled live tracking, and improved sales visibility.
- **Core Modules:**
 - **Customer:** Sign up/login, browse the menu, add to cart, schedule pickup, pay, submit feedback
 - **Staff:** View/manage orders, update statuses, manage stock, receive real-time updates
 - **Admin:** Manage products, assign staff, view reports, moderate feedback

Pet Tracking System Using IoT

Jun 2021

Lead Developer, Final Year Diploma Project – PTSS

Tech Stack: HTML · CSS · JavaScript · PHP · MySQL · Arduino IDE · ESP8266 · Neo-6M GPS · ESP 8266

- A web-based IoT application that enables pet owners to track the real-time location of their pets using GPS and Wi-Fi modules. The system improves pet safety by providing live alerts and coordinate tracking through a custom dashboard interface. Configured ESP8266 WiFi module integrated with Neo-6M GPS sensor to collect live GPS data. Programmed microcontroller logic using Arduino IDE for GPS parsing and network transmission.
- **Core Modules:**
 - Enabled accurate, live tracking of pet location via a browser-based dashboard.
 - Provided real-time alerts and visual mapping of pet movements.

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Personal Portfolio Website

2025

Self-Initiated

Tech Stack: Next.js · TypeScript · Tailwind CSS · ShadCN UI

- A developer portfolio website was built to showcase my projects, skills, work experience, and certifications. This project also served as a practical learning journey into mastering Next.js, TypeScript, and modern UI design with Tailwind CSS and ShadCN UI. Developed a fully responsive and accessible portfolio using Next.js App Router and Tailwind CSS. Leveraged TypeScript for scalable and maintainable code structure. Designed custom sections Projects, About Me, Resume, and Contact. Integrated dark mode toggle, smooth scroll behavior, and animated components for better UX. Used ShadCN UI to build reusable and theme-consistent components. Focused on SEO optimization and clean, professional layout for online visibility.

EDUCATION

Bachelor of Computer Science (Software Engineering) – CGPA: 3.66

2025

Universiti Tun Hussein Onn Malaysia (UTHM) — Dean's List: 4 Semesters

Diploma in Information Technology (Digital Technology) – CGPA: 3.38

2021

Politeknik Tuanku Syed Sirajuddin (PTSS)

CERTIFICATIONS & TRAINING

Google Cloud Big Data & Machine Learning Fundamentals

2024

Awantec & Google Cloud Partner

SAS Power BI Essentials

2024

UTHM & SAS Institute

SAS Visual Analytics

2024

UTHM & SAS Institute

TECHNICAL & SOFTWARE SKILLS

Programming: C, C++, Python, Java, JavaScript, TypeScript, PHP

Frontend Tools: React.js, React Native, Next.js, Vite, HTML, CSS, Tailwind CSS, MUI

Backend & Auth: Node.js, Express.js, Django, JWT, Firebase Auth, Auth.js

Databases: MySQL, SQL Server, MongoDB, Firebase

Cloud & Hosting: Firebase Hosting, Google App Engine

Tools & Platforms: Git, GitHub, VS Code, Postman, XAMPP, Expo, Chart.js, Figma

LANGUAGES

English: Fluent

Malay: Fluent

Tamil: Fluent