

FOO JIA SENG

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EDUCATION

Sunway University, Petaling Jaya, Malaysia

Bachelor in Software Engineering

Sep 2025 — Sep 2027 (Expected)

CGPA: 3.9

Sunway College, Petaling Jaya, Malaysia

Diploma in Information Technology

Aug 2023 — Aug 2025

CGPA: 3.95

EXPERIENCE

Software Engineer - Contract

Polaris Net Sdn. Bhd.

February 2026 - Present

Bangsar South, Kuala Lumpur, Malaysia

- Worked as part of the BRP team, focusing on cloud-based analytics and reporting solutions.
- Developed and maintained interactive Amazon QuickSight dashboards and integrate analytics features within PHP-based applications.
- Built and managed ETL workflows using AWS Glue for data transformation and processing to Amazon Redshift and Amazon S3.
- Developed automated daily sales reporting systems using PHPMailer and Linux Crontab for scheduled email dashboard delivery.

Web Backend Node.js Developer Intern

Continental Tyre (P.J) Malaysia Sdn. Bhd.

Apr 2025 - Aug 2025

Petaling Jaya, Selangor, Malaysia

- Developed and maintained RESTful APIs for the Desk Booking System using Node.js, Express, and TypeScript, ensuring reliable backend functionality.
- Designed optimized MongoDB (Mongoose) schemas with indexing and validation to improve data performance and integrity.
- Implemented JWT-based authentication and authorization for secure API access across internal applications.
- Containerized backend services using Docker and collaborated closely with frontend developers for seamless API integration.
- Built automated desk auto-release logic using CronJobs with timezone support and integrated Azure Blob Storage for file uploads.

PROJECTS

PadiPro - AI-Powered Paddy Disease Detection | Expressjs, React.js, Google Cloud, Firebase, Vertex AI, Gemini API ([GitHub](#))

April 2026 - May 2026

- Addressed agricultural challenges related to food security, crop sustainability, and limited access to farming expertise, achieving Finalist placement in the Project 2030: MyAI Hackathon while aligning with SDG 2: Zero Hunger.
- An intelligent AI-powered crop support system to analyze text, image, and voice inputs to identify potential paddy diseases and pest-related issues for farmers.
- Built an AI-driven workflow using Google Vertex AI, Gemini, and Genkit to perform contextual analysis and generate actionable recommendations with recovery guidance and timeline-based solution documents.
- Developed and integrated platform features using React, Node.js, Express, TypeScript, Firebase Firestore, Google Cloud Run, Google Cloud Storage, WhatsApp API, and Google Maps API to provide real-time AI assistance through a chat-based interface.

MediDocAI - Medical Document Query Tool | Next.js, React.js, TypeScript, Amazon Bedrock, Amazon S3 ([GitHub](#))

Sep 2025 - Sep 2025

- Developed an AI-powered medical document query tool enabling healthcare staff to extract insights from large volumes of medical records.
- Integrated AWS Bedrock for intelligent document analysis and automated medical-context responses.
- Built real-time chat and session persistence with DynamoDB and AWS AppSync.
- Designed a secure document upload and storage workflow using Amazon S3 for handling sensitive medical files.

aZone - University Subject Enrollment System | Nodejs, Expressjs, TypeScript, React.js, MySQL ([GtiHub](#))

Oct 2025 - Dec 2025

- Developed a full-stack University Subject Enrollment Platform using React, Node.js + Express to improve the student course registration experience.
- Designed and implemented RESTful APIs and MySQL to handle enrollment data and ensure stable performance under high user demand.
- Built user-centric interfaces to enhance usability and reduce system crashes/slowdowns experienced during peak enrollment periods.
- Implemented role-based access control and validation logic to manage student, administrator, and enrollment workflows securely.

TastyByte - Food Ordering System | HTML5, TailwindCSS, JavaScript, Laravel, MySQL ([Github](#))

Dec 2024 - Mar 2025

- A web-based ordering system designed to streamline food ordering in restaurants.
- Developed the backend using Laravel (PHP) for handling orders, menus, and CRUD.
- Integrated MySQL database for managing food items, order history, and user roles.
- Focused on improving service speed, minimizing human error, and enhancing customer satisfaction.

SKILLS

Programming Languages: HTML, CSS, JavaScript, TypeScript, PHP, Java, SQL

Frameworks & Tools: Express.js, Node.js, React.js, Next.js, MySQL (MySQL2), MongoDB (Mongoose), Laravel, Docker, RESTful API, Postman, Git, GitHub, TailwindCSS, Figma

Cloud: Amazon S3, Amazon Quicksight, AWS Glue, Amazon Redshift, Amazon Bedrock, Google Cloud Firestore, Google Cloud Storage, Gemini, Vertex AI

CERTIFICATIONS

Node.js, Express, MongoDB & More: The Complete Bootcamp ([Certificate](#))

Udemy

Credential ID: UC-171d799f-a216-408c-bb27-bc6278668053

2025-11