

Elvis Sawing

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EDUCATION

Universiti Malaya

Bachelor of Computer Science (Software Engineering) — CGPA: 3.80 / 4.00

Kuala Lumpur, Malaysia

Oct 2022 – Feb 2026

Universiti Malaya

Foundation in Physical Sciences — CGPA: 3.81 / 4.00

Kuala Lumpur, Malaysia

Oct 2021 – May 2022

EXPERIENCE

Freelance Full-Stack Web Developer

Sept 2025 – Present

Upwork / Independent Clients

Remote

- Delivered end-to-end full-stack websites using React-based frameworks, managing requirement gathering, UI design, frontend and backend development, client revisions, deployment, and post-launch support.
- Implemented Stripe payments, external API integrations, and offerwall monetization flows to support client business requirements, transactions, and revenue-generating features.

Software Engineer Intern

Jul 2024 – Jan 2025

Sarawak Energy

Sarawak, Malaysia

- Developed the AARG v4.0 prototype in OutSystems to digitize approval workflows, implementing rule-based request routing and prioritization logic to improve processing efficiency across internal teams.
- Automated tax e-invoicing workflows using Power Automate Desktop and deployed unattended jobs on virtual machines for reliable 24/7 execution, reducing manual effort and minimizing processing errors.

PROJECTS

SignBridge – Sign Language Recognition Web Platform | *Next.js, TypeScript, Supabase, Docker, AWS EC2*

- Built a full-stack web platform for real-time Malaysian Sign Language (MSL) and American Sign Language (ASL) recognition, combining an interactive frontend with backend inference services for live prediction.
- Containerized and deployed inference services on AWS EC2 using Docker, improving portability and simplifying environment setup across development and deployment workflows.

StitchMart – Embroidery Business Platform | *React.js, Node.js, Express.js, MongoDB*

- Developed a full-stack platform supporting service bookings, inventory management, and financial record tracking for embroidery business operations.
- Designed RESTful APIs and database schemas to support scalable data management across booking, inventory, and transaction workflows.

PMDG Livery Manager | *C#, .NET, WPF, MVVM*

- Built a Windows desktop application to automate PMDG livery installation for Microsoft Flight Simulator 2020, reducing an 8-step manual workflow to a one-click and drag-and-drop process.
- Implemented path detection, package validation, and automatic layout.json / manifest.json regeneration to support reliable installation across Steam, Microsoft Store, and custom simulator setups.

TransparensiMY – DevMatch Blockchain Hackathon 2025 | *React, Node.js, Express, Solidity, Polygon*

- Built a full-stack platform to track and visualize Malaysian government budgets and expenditures through a web interface backed by blockchain-based records.
- Developed backend services and smart contract integrations on Polygon to enable transparent and tamper-resistant financial record management.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, SQL, C#

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS, .NET, WPF, MVVM

Backend & Databases: REST API Design, PostgreSQL, MongoDB, Supabase

Cloud & DevOps: AWS, Docker, Git, CI/CD, Vercel

CERTIFICATIONS

AWS Certified Cloud Practitioner | Amazon Web Services

Nov 2025

Microsoft Certified: Azure AI Fundamentals | Microsoft

Sept 2023