

Frontend Software Engineer with hands-on experience building user-focused web applications using JavaScript, HTML, CSS, React.js, Next.js, and Tailwind CSS. Contributed to public-facing digital services at GovTech Malaysia by developing interactive UI components, integrating APIs and enhancing application usability in Agile teams. Passionate about delivering clean, maintainable, and high-performance frontend solutions that align with design systems and business requirements while continuously learning modern web technologies.

## WORK EXPERIENCE

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### GovTech Malaysia – Software Engineer

*Aug 2025 – Present*

- Developed and maintained public-facing government platforms (MYDS, RDMKD, Sekolahku, i-PPA, MyFaSA, GovSuite DMS) using React.js, Next.js, Fastify, ElysiaJS, Laravel, MongoDB, Docker, and AWS.
- Built responsive, accessible, and reusable UI components based on Figma designs, ensuring compliance with the Malaysian Government Design System (MYDS) and government digital standards.
- Integrated frontend applications with REST APIs for data display and management across multiple systems.
- Contributed to backend architecture improvements, including MVC standardization, automated API testing, technical research (spikes), and quality assurance through Postman and integration testing.
- Identified and resolved frontend and backend defects, enhancing system stability, maintainability, and alignment with Business Requirement Specifications (BRS).
- Collaborated in Agile (Scrum) teams, participating in sprint planning, code reviews, Git workflows, testing, cloud deployment, and software engineering best practices.
- Tech Stack: TypeScript, React.js, Next.js, Fastify, ElysiaJS, Laravel, Tailwind CSS, AWS, REST APIs, Git

### Hallucinations Digital – Freelance Frontend Developer

*June 2026 – Present*

- Developed and maintained the Super Admin dashboard for the Guardina Web platform using React.js, TypeScript, and Tailwind CSS.
- Built responsive and reusable user management, partnership management, and news management interfaces based on Figma designs.
- Integrated frontend components with REST APIs to support CRUD operations, data visualization, filtering, and administrative workflows.
- Implemented dashboard features including user administration, partnership oversight, content management, and analytics displays.
- Collaborated with designers and backend developers to deliver scalable, maintainable, and user-friendly administrative tools.
- Tech Stack: React.js, TypeScript, Tailwind CSS, REST APIs, Git

**Avialite Sdn Bhd – Embedded Software Engineer***Jan 2025 – Jul 2025*

- Contributed to R&D efforts for embedded systems in aviation lighting products, assisting in prototyping and feature validation.
- Developed and tested embedded firmware in C/C++ for microcontroller-based systems, focusing on correct functionality and reliability.
- Assisted in integrating firmware with hardware components, working closely with hardware engineers to debug and validate system behavior.
- Supported improvements to existing firmware by fixing bugs and making small enhancements to code structure and performance.
- Tech Stack: C, C++

**PROJECT EXPERIENCE**

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**GOVSUITEDMS – Government Document Management System**

- Developed and maintained RESTful APIs and MongoDB data models for document management, folder management, search functionality, and system integrations.
- Implemented document search features and optimized data retrieval to improve system performance and user experience.
- Integrated backend services with frontend applications, RabbitMQ, and data processing systems to support document workflows and processing.

**MYDS - Malaysia Design System**

- Developed and enhanced reusable UI components aligned with MYDS standards.
- Standardized components to comply with SPLaSK policies and improve cross-platform consistency.
- Created structured documentation to support adoption by internal development teams.

**RDMKD – Repositori Data dan Maklumat Kementerian Digital**

- Resolved UI and functional issues to ensure alignment with Figma designs and business requirements (BRS).
- Implemented MYDS-compliant components to maintain a consistent design system across the platform.
- Improved user experience by refining layouts, styling, and interaction behavior.

**SEKOLAHKU – National School Information System**

- Contributed to a decoupled architecture using React (frontend), Fastify (API), and a headless CMS for scalability.
- Implemented data fetching and dynamic UI components based on Figma specifications.
- Fixed UI and functional bugs to ensure smooth user flows and system reliability.

**MyFaSA – Public Sector Facility Booking System**

- Developed and maintained admin dashboard features using Laravel and Blade for a public sector facility booking and management platform.
- Built responsive dashboard pages and UI components based on Figma designs, ensuring a consistent and user-friendly experience.
- Integrated frontend views with backend controllers to display and manage facility and user information.

- Collaborated with backend developers to implement facility approval and administrative workflows

## EDUCATIONAL BACKGROUND

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| <b>International Islamic University Malaysia (IIUM)</b> | <b><i>Oct 2020 – Aug 2024</i></b> |
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| <i>Bachelor of Science (Physics – Computational Physics)(Honours)</i> | <b>CGPA: 3.94/4.00</b> |
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- Best Student (Overall) of Kulliyah of Science
- Final Year Project: Development and Application of High-Resolution CNN in UAV Detection

**Centre for Foundation Studies, IIUM**

***Jun 2019 – Jul 2020***

*Foundation in Physical Science*

**CGPA: 3.98/4.00**

## SKILLS

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- **Programming Languages:** JavaScript, HTML/CSS, Typescript, C, C++, Python (*basic*), PHP (*basic*)
  - **Libraries & Frameworks:** React.js, Tailwind CSS, Next.js, ElysiaJS, Laravel, Node.js (*basic*)
  - **Tools & Platforms:** Git, GitHub, Docker, Postman, AWS (*basic*), Proxmox VE, Visual Studio Code, Arduino IDE, STM32CubeIDE
  - **Design Systems:** MYDS (Malaysian Design System)
  - **Databases:** MySQL, MongoDB

## LICENCES & CERTIFICATIONS

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|------------------------------------------------------------------------------|------------------------|
| • <b>A Complete Course on an IoT System - Design and Development   Udemy</b> | <b><i>Feb 2025</i></b> |
| • <b>CompTIA Security+   CompTIA</b>                                         | <b><i>Dec 2024</i></b> |

## REFERENCES

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