

## PROFILE

Full-stack engineer with **3+ years of experience** building scalable, cloud-native, data-driven web applications across professional and personal projects. Strong at breaking down complex problems, learning new tools quickly, and collaborating with teams to deliver reliable, meaningful outcomes.

## TECHNICAL SKILLS

**Languages & Frameworks:** JavaScript, TypeScript, React, Next.js, Node.js, C#, .NET Core, GraphQL, Prisma, TailwindCSS

**Development Tools:** Git, GitHub, Docker, VS Code, Playwright, Jest, Jira, Figma, AI coding tools (Copilot, Claude, Cursor)

**Databases:** Azure SQL, MSSQL, PostgreSQL, MongoDB

**Cloud & Architecture:** Azure (Functions, App Service, Blob Storage), AWS, RESTful API design, CI/CD, automated testing

## EXPERIENCE

### Full-stack Engineer

Generate Zero / Nov 2023 - Present

- **Led the redevelopment** of a major Financed Emissions module, **migrating** legacy **GraphQL** logic to **Prisma** and reducing data-loading time by **around 60%**, while enabling **quarterly views** and **faster interactions** across time-series charts, drill-down analytics, and synchronized chart-table views.
- Built and enhanced core platform modules by securing **file uploads** against malicious files, stabilizing **CSV/Excel pipelines**, and implementing **role-based access management**.
- Designed and built **customer-configurable Intensity Metrics** using **structured domain models**, enabling organisations to manage metric data independently while aligning with the Footprint Design System.
- Delivered **backend schemas**, **service logic**, and **MSSQL queries** to support new product features following **Domain-Driven Design** principles.
- Raised engineering quality by expanding test coverage using **Playwright** and **Jest**, automating checks with **GitHub Actions**, and adopting AI-assisted code review via **CodeRabbit**.
- Built and enhanced user-facing UI using established APIs and design systems, improving responsiveness and usability. Delivered advanced table experiences with pagination, sorting, and search using **React Table**, strengthened forms with **React Hook Form**, improved state management with **Zustand**, and optimized data handling using **React Query**.
- Worked closely with UX designers and stakeholders to translate **Figma** designs into production-ready UI components, leveraging AI-assisted coding tools to accelerate development, reduce debugging time, and improve code quality.
- **Strengthened team collaboration** by organising **company events** through the social club, facilitating **stand-ups, sprint reviews**, and **cross-functional communication** to keep delivery aligned and on track.

**Tools:** Next.js, TypeScript, React, Tailwind, Prisma, GraphQL, Azure SQL, Node.js, Jest, Jira, Figma, Github, Playwright, Cursor, Claude Code, CodeRabbit

## **Full-stack Developer Intern**

MVP Studio / Sep 2023 - Nov 2023

- Developed frontend and backend features across an MVC application.
- Integrated C#/.NET backend logic with database components to form a functioning end-to-end solution.

**Tools:** C#, .NET Core, ASP.NET MVC, SQL Server, React, Bootstrap

## **Frontend Developer (GovHack Hackathon)**

Green Kiwi / Aug 2023

- Participated in full project lifecycle: planning, design, development, and deployment.
- Led the design and development of the social page, post creation functionalities, and navigation bar.
- Applied Agile methodology, ensuring iterative development and continuous feedback.
- Used Miro board to visualize workflows, coordinate tasks, and manage project collaboration.

**Tools:** Next.js, Node.js, MongoDB, Tailwind

---

## **EDUCATION**

### **Software Developer Job Ready Programme**

Industry Connect / Jul 2023 - Sep 2023

- Completed an online course delivered by industry professionals, with a strong emphasis on practical, hands-on solutions. Covered C#, .NET Core, ASP.NET MVC, SQL, database best practices, SSRS services, and system integration, with a focus on applying skills to real-world commercial environments.

### **Level 6 Full-stack Web Development**

Enspiral Dev Academy / Aug 2022 - Dec 2022

- Completed Dev Academy Full-stack Web Development Course, dedicating over 800 hours to coding on multiple projects in an Agile team environment and acquiring in-depth knowledge of full-stack development technologies, including Figma, HTML, CSS, TailwindCSS, JavaScript, React, Redux, Restful APIs, Express.js, Node.js, SQL, Jest, Git, and Github.

### **Level 4 Certificate in Information Technology**

Unitec Institute of Technology / Jul 2021 - Dec 2021

- |   |                                      |
|---|--------------------------------------|
| • Information Technology Foundations (HTCS4601) | • Programming Foundations (HTCS4604) |
| • Web Design Foundations (HTCS4602)             | • Database Project (HTCS4605)        |

## **CERTIFICATION**

### **AWS Cloud Practitioner Certification**

Amazon Web Service (AWS)

Valid through: May 2022 - Apr 2028

**References available upon request**