

JOSH MACKAY

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Full-stack developer with 2+ years experience building web applications using .Net, React, Blazor, and SQL Server. Skilled at creating clean, intuitive front-ends and reliable back-end APIs. Currently expanding expertise in React to complement a strong foundation in C# and EF Core. Passionate about collaborating with clients and end users to turn ideas into practical, effective solutions.

TECHNICAL SKILLS

Languages: C#, Javascript, Python, HTML, CSS, Dart

Frameworks/Libraries: ASP.Net, .NET Core, React, Blazor, Flutter, Tailwind, Bootstrap

Data: SQL, PostgreSQL, MS SQL Server

Cloud: Digital Ocean, Azure (basics)

Other: Git, Docker, Postman, GIS/Mapping, Google Ads and Analytics, Wordpress

EMPLOYMENT HISTORY

Web Application Developer, The Geelong College

Sep 2023 - Mar 2025

- Developed a Blazor CMS enabling teaching staff to manage and share the school's new learning framework more efficiently.
- Developed a Blazor-based student boarding management system, replacing error-prone spreadsheets and streamlining room/bed allocations.
- Rebuilt the school's news bulletin system using Blazor Server and WASM, delivering mobile-friendly access for staff, students, and parents.

Career Transition

Jul 2022 - Aug 2023

- Undertook intensive, self-directed learning in Javascript/React using industry recognised and community recommended resources.
- Completed various projects to demonstrate learning.

Director, J C Williams Electrical / Local Oven Repairs

Jan 2019 - Jun 2022

- Started two companies in the electrical field, managing sales, customer relations, and project delivery.
- Built long-term client relationships that drove repeat contracts and consistent revenue.
- Led small teams, handling hiring, scheduling, and management to ensure on-time project completion.

ITS (Intelligent Transport Engineer), Transurban

Sep 2014 - May 2018

- Progressed from graduate engineer to ITS Engineer, contributing to major infrastructure projects.
- Performed testing, supervision, and inspections to ensure compliance and quality standards.
- Collaborated with stakeholders, vendors, and contractors to deliver system upgrades and installations.

TECHNICAL PROJECTS

TanqYa - Crowdsourced Petrol Price Tracking App for Colombia

Mobile app on the Google Play Store, enabling Colombian drivers to locate the cheapest petrol prices.

- App built with flutter, ASP.Net REST API, PostgreSQL database, hosted on Digital Ocean.

EDUCATION

Javascript Development

Jan 2023 - Apr 2023

General Assembly Australia

Bachelor of Electrical and Electronic Engineering

2009 - 2013

Victoria University, Melbourne, Australia

- Major focus on PIC Microcontroller programming in C (MikroC).