



Full-stack software engineer with 6 years of experience. Skilled in TypeScript, Node.js, C#, .NET Core, React and more.

Experience

Software Engineer @ Ailo

Oct 2021 – Present

Brisbane, Australia

- Developed full stack web & mobile solutions with TypeScript, Node.js, React Native, GraphQL, PostgreSQL, Redis.
- Built scalable solutions leveraging Microservices with an Event-driven architecture to ensure eventual consistency.
- Collaborated cross-functionally with product, designers, and QA to implement optimal, customer-friendly solutions.
- Enhanced code quality through rigorous code reviews; integration and unit testing with Jest.
- Implemented the core 'search' feature with Elasticsearch, achieved a ~6x speed improvement and more relevant search results.
- Developed a secure, robust data pipeline to a third-party by establishing a shared API spec, crucial for generating a new revenue stream.
- Resolved critical production issues promptly to maintain system uptime and minimize impact to users.
- Integrated with third-party APIs to expand product functionality.

Full Stack Developer @ University of Queensland

Nov 2017 – Oct 2021

Brisbane, Australia

- Developed and maintained e-Learning web applications using Node.js, Vue, React, TypeScript, and PostgreSQL.
- Conducted requirements elicitation, designed system architecture, and deployed solutions based on specifications.
- Integrated automated unit, integration, and load testing, conducted code reviews to ensure adherence to coding standards.
- Integrated IaaS/PaaS solutions like AWS EC2, S3, CloudFormation to ensure scalability.
- Engaged proactively with stakeholders across diverse domains to gather and analyze requirements.
- Developed custom DSL (in R) for a testing platform & deployed on AWS, used by thousands of students via SSO, saved > 80% costs.

Intern Developer @ Ilab Accelerator

Dec 2016 – Mar 2017

Brisbane, Australia

- Iteratively developed a mobile responsive invoicing web application, deployed as a custom plugin.

Technical Skills

Languages: JavaScript, TypeScript, C#, Java, PHP, C/C++

Frontend: React, React Native, Vue, HTML5, CSS, SASS, Cypress

C# ecosystem: .NET Core, ASP.NET MVC, ASP.NET Core Web API, EF Core, Dapper, SQL Server, MSTest

JS/TS ecosystem: Node.js, Nest.JS, Express.JS, Next.js, Jest

API: REST, GraphQL, Websockets, Swagger

Databases & Search: PostgreSQL, SQL Server, MySQL, MongoDB, Redis, Elasticsearch

Auth: JWT, RBAC, OAuth, LTI, SAML 2.0 SSO

Architecture: Microservices, Event-driven architecture, Dependency injection

Version Control/Tooling: Git, GitHub, Docker, Bash, AWS, Triton

Project management: Jira, Confluence, Agile

Projects

Running tracker: Helps users log and visualize their running history. Built with **C#, EF Core, ASP.NET MVC, SQLite, JavaScript** ([GitHub](#))

Alitternation: App developed to tackle littering, won multiple awards @ [GovHack 18 Hackathon](#). Built with **React, Node.js, PostgreSQL** ([GitHub](#))

Budget tracker: SPA to track user spending habits. Built with **C#, EF Core, ASP.NET MVC, SQL Server, JavaScript** ([GitHub](#))

Movie Manager: SPA to manage and rate movies. Built with **C#, EF Core, ASP.NET MVC, SQL Server, JavaScript** ([GitHub](#))

Excel Reader: Console application that parses, stores and displays excel files. Built with **C#, EF Core, SQLite** ([GitHub](#))

Work Shifts Logger: Console app to log employee shifts. Built with **C#, ASP.NET Core Web API, EF Core, SQL Server** ([GitHub](#))

Education/Certifications

University of Queensland

Brisbane, Australia

Bachelor of Engineering (Hons), Software Engineering

Graduated July '18

Microsoft & FreeCodeCamp

Online

Foundational C# with Microsoft Developer certification

2024