

David Marshall

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Experienced software engineer proficient in Angular, TypeScript, C#, React, and other modern frontend and backend technologies.

Strong collaborator with effective communication skills, dedicated to team growth and cohesion.

Proven track record in leading and mentoring junior developers, enhancing application performance, and maintaining code quality.

Extensive experience in delivering projects in both enterprise and freelance contexts, as well as teaching and mentoring in a technical educational setting.

Experience

Software Engineer II at Breakthrough Fuel

December 2024 - Present

Software Engineer I at H&R Block

June 2022 - December 2024

- Refactored Angular code for two microapps, reducing technical debt and improving optimization for the 2022 tax season.
- Assisted another team with refactoring C# APIs to ensure compliance with enterprise guidelines and drafted user stories for future UI refactoring.
- Led the adoption of Angular unit testing standards, achieving 90% test coverage (~30,000 lines).
- Collaborated with product and design teams to guide frontend design and logic for new client-facing features.
- Mentored associate engineers through weekly pair-programming sessions, fostering alignment with company standards.

Lead Instructor / Teaching Assistant at Correlation One

July 2023 - Present

- Provided personalized support to 20-25 fellows in one-on-one and group settings throughout 4-month cohorts.
- Earned consistently high feedback scores (survey average: 95%).
- Contributed to enhancing course curriculum, restructuring modules like data structures and DOM manipulation.

Software Developer at Private Entity

April 2023 - April 2024

- Developed an internal application using Next.js and MongoDB to support marketing and sales initiatives.
- Enhanced design functionality with tools like Auth0 and Algolia InstantSearch.
- Refactored a Flask/Jinja application to improve UI/UX by replacing the frontend with React.

Junior Software Engineer at Carmigo

January 2022 - June 2022

- Implemented dynamic JavaScript generation with Node.js and PostgreSQL, enabling dealerships to have unique lead generation scripts without storing individual scripts in our database.
- Leveraged automotive industry expertise to provide actionable insights for product enhancements, including debugging when various APIs were returning incorrect vehicle data.

Sales, Inventory & Service Manager at Sports & Luxury Auto

July 2020 - January 2022

- Earned the dealership over \$400,000 in gross profit (fiscal year 2021), averaging \$2800 per sale (\$500 over the average in 2017).
 - Developed and implemented processes in Asana to reduce time between arrival, service, and sale, thereby minimizing time on the lot by an average of 7 days and maximizing dealership profit.
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Technologies

Frontend: Angular, TypeScript, Vue, CSS, SCSS, JavaScript, React, Next.js, Single Page Applications, AJAX, API integrations, Ionic.

Backend: .NET (C#), Flask, Python, Node.js, Express, RESTful APIs, PostgreSQL, MongoDB.

Other: Azure (DevOps, App Insights, Cosmos DB), Git, Postman, LaunchDarkly, SonarQube, Jasmine, Karma, CI/CD, Adobe Analytics.

Education

Master of Arts in Theological Studies

Fuller Theological Seminary

2015 - 2019

Bachelor of Arts in English, Bachelor of Arts in Christian Studies and Ministry

Ottawa University

2012-2015