

SHAWN DAICHENDT

sdaichendt.com

SENIOR SOFTWARE ENGINEER

Full-stack engineer with 12+ years of experience building enterprise-grade web and mobile applications across the automotive and healthcare industries. Proven track record delivering mission-critical software at scale across two of North America's largest automakers - Ford and GM - from React-Native component libraries powering internal mobile platforms to real-time crash-detection and emergency-response systems used by millions of vehicle owners. Equally comfortable leading front-end architecture, integrating back-end services, and shipping production-ready code in fast-moving Agile environments. Available for contract and permanent roles in the Windsor-Essex and Detroit areas.

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Ruby, C#, Python, Java, Swift, Objective-C, C++
Front-End	React, React Native, Vue.js, Nuxt, Angular (1/2), HTML5, CSS3
Back-End / Frameworks	Node.js, Express, Ruby on Rails, ASP.NET / Dotnet, Django
Databases	PostgreSQL, MySQL, MongoDB, DB2, Prisma (ORM)
Cloud / BaaS	Firebase, Parse, Fly.io, Vercel, Upstash, Neon
DevOps & Tooling	GitHub Actions, CI/CD Pipelines, Git, VSCode, Xcode, IntelliJ, PlatformIO, Arduino IDE
AI & Agentic Tools	OpenAI Codex, Claude (Anthropic), OpenClaw, LLM Integration, Prompt Engineering
Methodologies	Agile, Scrum, Full SDLC, REST APIs, Code Review
Platforms	iOS, Linux (Ubuntu/Debian), Unix, Windows

EMPLOYMENT EXPERIENCE

Software Developer - ETech Team

Ford Motor Company (Ford Design), Dearborn, Michigan - March 2025 - March 2026

Developer on Ford Design's ETech team, building bespoke software for prototype vehicle builds used to showcase Ford Design's creative initiatives to internal stakeholders. Worked across the full stack - from front-end interfaces to server-side logic to low-level microcontroller firmware - on both long-running platform software and rapid one-off prototypes.

- Developed and maintained software systems controlling vehicle lighting, audio, and displays across prototype builds, providing Ford Design with reliable, repeatable showcase platforms.
 - Built custom microcontroller firmware for one-off design prototypes - including bespoke headlight animation sequences - translating creative briefs into working embedded code under tight timelines.
 - Delivered across the full hardware/software stack: front-end UI, server-side services, and embedded/microcontroller code, adapting to the unique constraints of physical vehicle prototype environments.
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Freelance Software Engineer

Windsor, Ontario - September 2024 - March 2025

Delivered contract engagements for enterprise clients prior to joining Ford full-time.

- Ford Motor Company (Training Portal) - Architected and delivered a full-stack training portal using Ruby on Rails and Vue.js, enabling streamlined onboarding and compliance training workflows for Ford dealers and contractors.
 - Centerline - Designed and built a financial tracking application using C# (.NET) and React, replacing manual processes and improving visibility into project financials for operations staff.
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Senior Software Engineer

General Motors (GM), Detroit, Michigan - September 2019 - August 2024

Core contributor on a cross-functional team of ~10 engineers building and maintaining mobile and web platforms for GM's connected vehicle services division, including safety-critical crash-detection and emergency-response applications used by millions of GM vehicle owners.

- Architected and built a React Native UI component library adopted across multiple internal mobile applications, accelerating development velocity and enforcing design consistency at scale.
- Developed and maintained front-end web applications for account and application management of OnStar-class crash-detection services - mission-critical systems where reliability directly impacts driver safety for millions of subscribers.
- Enhanced and supported custom web applications used by live advisors responding to vehicle emergencies, ensuring uptime and accuracy under real-time pressure.
- Delivered clean, well-tested, production-ready code in TypeScript and JavaScript, with thorough documentation and peer code review practices.
- Integrated and maintained CI/CD pipelines using GitHub Actions, enabling reliable automated testing and deployment workflows across teams.
- Active participant in all phases of the SDLC - from requirements gathering and design through implementation, QA, and post-launch support.

Software Engineer

Meridian, Detroit, Michigan - August 2018 - August 2019

- Designed and implemented front-end web applications to replace aging legacy systems used for managing and reporting HIPAA-regulated client medical data, improving usability and data accuracy for clinical staff.
- Collaborated cross-functionally with product, design, and back-end teams through the full software development lifecycle.

Technology Manager

Contractor Compliance, Windsor, Ontario - December 2017 - July 2018

- Prototyped and delivered a modern web application to replace a legacy contractor management system, using Vue.js, Firebase, and Parse - reducing manual overhead and improving contractor onboarding.
- Led internal project management using Agile/Scrum practices, coordinating feature development and release cycles.

Application Developer

Alteris Group, Windsor, Ontario - February 2017 - November 2017

- Maintained and extended Angular and Ruby on Rails client applications, delivering new features and bug fixes across active client accounts.
- Led a full backend migration from MongoDB to PostgreSQL, improving data integrity and query performance.

IT Outreach Coordinator

Hackforge, Windsor, Ontario - March 2016 - February 2017

Java Developer

Autodata, Windsor, Ontario - October 2013 - March 2016

- Developed and maintained Java-based web applications supporting automotive data services for dealer and OEM clients.
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PRIOR ROLES

Mobile/Web Developer, Red Piston | Web Developer, Palomino | Software Developer, CGI | NSERC Research Assistant, University of Windsor

EDUCATION

Bachelor of Computer Science (BCS) - Computer Science, University of Windsor

Bachelor of Science (BS) - General Science, University of Windsor