CALVIN SIEMANDEL

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PROFESSIONAL SUMMARY

Senior Software Developer and team lead with 13+ years building and modernizing business-critical software. My core is .NET, with about four years of React/TypeScript on real-time interfaces, and I've recently been working closer to the hardware on embedded Linux and device networking. I've led modernization projects, mentored developers, and shipped tools that people depend on during live broadcast and touring productions.

EXPERIENCE

Sound Devices, LLC

Team Lead Oct 2018 – Present

- Lead a team of 4 developers and 3 interns, setting direction on architecture, code quality, and how we ship.
- Architected a reverse proxy that lets one self-signed HTTPS device broker connections to the others, so an operator can run a whole fleet of units from a single app on one box instead of trusting a certificate on every device.
- Added mDNS discovery and a mesh layer where every device in a network group keeps a synced copy of accounts, permissions, and auth. Devices added to a group get pulled in automatically, and I handled the messy edge cases that come with that.
- Extended the React/TypeScript control app to run several units at once, including units from different product families, over WebSockets on embedded Linux (Buildroot and lighttpd).
- Wrote the original React remote control app for the Astral wireless systems, used on productions including the Super Bowl halftime show and international tours.
- Shipped cross-platform apps (Astral Remote in Xamarin/.NET MAUI, plus work on SD-Remote for the 8-Series) that got picked up widely in film, TV, and ENG.
- Modernized an ASP Classic parts database to .NET after an acquisition and merged inventory systems across sister companies.
- Rewrote a legacy VB6 ETL system in .NET and made it about 90% faster.

Senior Software Developer Apr 2016 – Oct 2018

- Migrated internal web apps from ASP Classic to .NET, wired up third-party APIs, and updated the frameworks they ran on.
- Set up our CI/CD pipeline, which cut deployment time and kept environments consistent.
- Reworked database schemas to speed up queries and scale better across several apps.
- Expanded reporting and internal tooling used by teams in the UK, Germany, and Taiwan.

Software Developer Feb 2013 – Apr 2016

- Worked with people across departments to keep internal software running and build the new tools they needed.
- Rewrote an automated product test platform from VB6 to .NET and cut run time by about 20%.
- Ported and modernized several VB6 desktop apps to .NET, making them easier to use and adding features.

TECHNICAL SKILLS

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

Frameworks & Tools: .NET (Framework & Core), ASP.NET, React, Blazor, Entity Framework (6 & Core), Dapper, Aspire, MAUI/Xamarin, WebSockets, Figma, Copilot, Claude Code

Embedded & Networking: Embedded Linux, Buildroot, lighttpd, reverse proxy, mDNS/service discovery, mesh networking

Databases & Infrastructure: MySQL, Redis, RabbitMQ, Docker, TeamCity

Practices: CI/CD, Multi-Environment Deployments, Application Modernization, System Integration, Distributed Systems

EDUCATION

University of Wisconsin-Platteville

Computer Science 2008 – 2012

- Completed the core Computer Science coursework toward a B.S., with 32 credits remaining (mostly general-education requirements and the capstone).