

Dustin Snellings

Software Engineer

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PROFILE

Software engineer building full-stack applications alongside a career in precision manufacturing. Work spans React, TypeScript, PostgreSQL, offline-first systems, and AI-assisted development with written governance and verification. Seeking full-time software opportunities, with interests in data analytics and agentic systems.

TECHNICAL SKILLS

Software: React, Next.js, TypeScript, JavaScript, Node.js, HTML/CSS

Data: PostgreSQL, SQL, Supabase, IndexedDB, Python

Applied AI & delivery: MCP tools, LLM integration, human-in-the-loop workflows, Git, GitHub Actions, Vitest, Cypress

EXPERIENCE

Turblu 2026 - present

Technical Co-founder

- Contribute to Turblu, a motorsports event platform.
- Focus on software delivery, testing discipline, and collaboration.

Durwood Studios LLC 2026 - present

Founder & Software Engineer

- Built DURA, an open-source offline-first learning platform using Next.js, TypeScript, Supabase, and IndexedDB. Live at dura.dev.
- Designed local progress storage and conflict resolution, spaced repetition, and in-browser code execution.
- Develop MCP tools for AI agents. Direct AI-assisted development through written governance, verification gates, and human review.

Rolls-Royce / MTU Power Systems Dec 2021 - present

CNC Machine Operator, Floater

- Floater since August 2026; previously CNC Machinist, Level 3. Machine precision engine components on HELLER centers with Siemens controls.
- Interpret blueprints and control plans, set up jobs, investigate process issues, and inspect and document finished work.

Earlier experience: metal additive manufacturing at Keselowski Advanced Manufacturing, elevator assembly at Schindler, industrial field service at Colt Atlantic / IMT, and CNC machining and material handling at ASCO.

EDUCATION

Microsoft AI Engineer Program - Microsoft & Simplilearn, 2026

Software Engineering Certificate - Coding Temple, 2025

CNC Machining Technology, honors - NASCAR Technical Institute, 2021