Craig Merry

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SUMMARY

SharePoint developer and administrator with 15+ years in enterprise Microsoft 365, SharePoint and public-sector IT: platform migrations, information architecture, compliance, automation and user training. I use Claude Code every day, at work and on my own projects, and help the people around me use it well. Outside work I build robots and the open-source software that runs them, plus iOS apps. Hard of hearing; accessibility-first.

EXPERIENCE

SharePoint Developer and Administrator

Aug 2022 – Present

Northern California Power Agency (NCPA), Roseville, CA · public joint powers agency serving California member utilities

- Led the migration from SharePoint 2016 to SharePoint Online, using ShareGate and PowerShell to move content with minimal disruption while preserving metadata and permissions.
- Designed a modern information architecture of hub sites, communication sites and a metadata taxonomy to improve discoverability and navigation.
- Built custom SharePoint Framework (SPFx) web parts and extensions integrated with the Microsoft Graph API (profile displays, calendar integrations).
- Implemented Microsoft Purview compliance policies and retention labels to meet organizational and regulatory requirements.
- Automated document approval, notification and synchronization workflows with Power Automate, replacing legacy systems.
- Developed and launched a Records Management Program, including the policy framework and user adoption strategy.
- Delivered user training and documentation for new SharePoint features.
- Use AI tools, mainly Claude Code, to speed up development and documentation, and help colleagues use them well.

Robotics (side projects)

Ongoing

Independent · OpenCastor, built in the open and pairing with Claude Code

- Build **OpenCastor**, an open-source robot runtime on PyPI aimed at getting a robot running in under ten minutes on common hardware: ROBOT.md manifest spec and CLI, MCP server, Claude Agent SDK dispatcher, about 1,981 tests across 11 repos.
- Run it on real hardware at home: a 6-DoF SO-ARM101 arm with Cartesian reach tools and a rover, as supervised services on a Raspberry Pi, with geometry from a signed manifest and human approval on anything irreversible.
- Put a gateway between the model and the motors that decides what runs and signs every allow and deny (Ed25519), so anyone can check what a robot was permitted to do. Wrote the RCAN protocol and the Robot Registry Foundation behind it.
- Built **Sacramento PaintBench** (castor bench sacpaint), a benchmark where the arm paints from a reference photo, and submitted it to the WorldEvals catalog.
- Build **Microduck Studio**, an iPhone and Mac app in TestFlight beta for training a small two-legged robot: reinforcement learning on Hugging Face Jobs, with preference picks from the phone shaping the reward.
- Presented **Bounded Embodiment**, a testable way to keep a learned robot policy inside its declared limits, at the ITU Workshop on “Embodied AI for Multimedia Technologies” (Hangzhou, remote, 16 October 2026). Not an ITU endorsement.

Founder (side projects) — Ongoing

Independent · PlatAtlas and apps

- **PlatAtlas**: a Cloudflare Workers, D1 and Pages platform (Rust, TypeScript) that records what agents and robots did as signed, checkable facts.
- **iOS apps on the App Store**, SwiftUI end to end, with release automation in Python against the App Store Connect API: HearAura (live captions and Auracast audio for hearing aids), OpenCastor, Heat Compass, Exsiccatae and Bicycle Radar.
- All of it built pairing with Claude Code: custom skills, hooks, MCP servers and multi-agent review.

California Earthquake Authority (CEA) — Mar 2018 – Aug 2022

Application Administrator (team lead, 2021 – 2022) · Application Administrator (2019 – 2022)

- Managed enterprise application environments: SharePoint, Dynamics CRM, Azure DevOps and in-house applications.
- Built PowerShell and Azure DevOps CI/CD pipelines for deployment and testing, cutting release time about 75%.
- Acted as team lead: sprint backlogs, standups, mentoring, and cross-department coordination.

Implementation Specialist (2018 – 2019)

- Led the transition from legacy systems to Microsoft 365 (SharePoint Online, OneDrive, Teams), migrating file shares and on-premises SharePoint to cloud libraries.
- Planned and executed the migration from Skype for Business to Teams; designed and delivered end-user training programs.

Operations Coordinator, Purple Communications — Aug 2015 – Apr 2017

- Scheduling for a team of 24 and performance reporting in Power BI and Excel; migrated analytics dashboards to SharePoint 2013; custom reporting in Python (Jupyter) and React.

Lead, Apple — Sep 2014 – Aug 2015

- Supervised a team of 11 in high-value product processing (800 to 1,500 units a day); built a Jive-based collaboration system and governance model for multi-team operations.

Earlier — 2008 – 2014

- SharePoint Administrator, State of California (2008 – 2013) · HRIS Analyst, Sutter Health (2013 – 2014) · SharePoint Developer, J4 Systems (2014) · Founder, Beacon Safety Co., LiDAR hazard-detection prototype, Startup Weekend Sacramento hardware winner (2014, part-time)

SKILLS

Microsoft 365: SharePoint Online and Server, SPFx, Microsoft Graph, Power Automate, Purview, Teams, OneDrive, ShareGate, PowerShell, Azure DevOps

AI and agents: Claude Code (skills, hooks, MCP), Claude Agent SDK, Model Context Protocol

Robotics: SO-ARM101 arm, rovers, Raspberry Pi, servo control over I2C, Cartesian reach, RL training (PPO) and preference feedback, robot benchmarks

Languages and platforms: Python, TypeScript, Swift/SwiftUI, Rust, Cloudflare Workers/D1/Pages, Raspberry Pi, Linux

EDUCATION

B.A. Political Science, University of California, Davis · Scrimba AI Engineer Certificate (2025)