

# Shane Furtado

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## SUMMARY

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Systems administrator with 4+ years operating hybrid Microsoft Azure / on-premises environments at scale for engineering and manufacturing teams. Currently independent — building AI-automation tooling, MCP servers, and agent workflows. Combine classic infrastructure depth with modern AI-tooling fluency, a pairing that's increasingly hard to find together.

## TECHNICAL SKILLS

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<b>Operating Systems</b>	Windows, macOS, Linux
<b>Microsoft Stack</b>	Entra ID, Active Directory, Intune, Group Policy, Microsoft Azure, M365
<b>Networking</b>	TCP/IP, DNS, DHCP, VLANs, VPN, firewall administration
<b>Scripting &amp; Code</b>	Python, Bash, PowerShell, JavaScript / TypeScript, Git, SSH
<b>Web Development</b>	Next.js, Node.js, REST API design, Vercel deployment
<b>AI / Automation</b>	Claude Code / Anthropic Agent SDK, Model Context Protocol (MCP) servers, LLM workflow design, agent-friendly API design (llms.txt, skill specs), LLM fine-tuning
<b>Infrastructure</b>	Docker, Linux server administration, Hetzner, systemd, PM2

## EXPERIENCE

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### Founder, 1337 Labs LLC Feb 2025 – Present · Aptos, CA

- Building independent AI-automation products: agent deployment platforms, Model Context Protocol (MCP) servers, and CLI tooling that lets AI agents drive real systems (deploys, infrastructure operations, data services).
- Designed agent-friendly web infrastructure using llms.txt specs, structured APIs, and skill markdown — letting autonomous LLM agents reliably consume and operate services.
- Full-stack hands-on: Next.js / Node / TypeScript front-ends, Linux server administration (Hetzner, systemd, Docker, PM2), CI/CD via Vercel, and LLM fine-tuning workflows.

### System Administrator, Zero Motorcycles Inc. Sep 2022 – Feb 2025 · Scotts Valley, CA (Hybrid)

- Owned IT operations for a hybrid Microsoft Azure / on-premises environment at an electric-motorcycle OEM, supporting **300–400 employees across multiple international regions**.
- Held full administrative access across the domain controller, firewall, identity (Entra ID), and endpoint management (Intune) stack — operating scope wider than the formal job title.
- Standardized Windows endpoint management and identity workflows via Intune and Entra ID; troubleshoot hardware, software, network, and identity issues across Windows, macOS, and mobile devices.
- Partnered with engineering, manufacturing, and corporate teams on access provisioning, onboarding, and security baselines.

### IT Technician, Anatometal LLC Jan 2021 – Sep 2022 · Santa Cruz, CA

- Day-to-day technical support for a manufacturing IT environment: hardware repair, software troubleshooting, and network administration for shop-floor and office systems.
- Internal transition from production into IT — brought a hands-on operator's perspective to end-user support.

### Department Manager, Fine Jewelry Production, Anatometal LLC Feb 2017 – Jan 2021 · Santa Cruz, CA

- Led a production team of skilled craftspeople: scheduling, training, quality assurance, and process improvement. Operations discipline and team leadership directly transferable to IT team contexts.

**Jeweler, Anatometal LLC**

Jan 2015 – Feb 2017 · Santa Cruz, CA

Custom fine-jewelry production; promoted into department management.

## **CERTIFICATIONS**

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**Microsoft Azure Fundamentals (AZ-900)** — *Scheduled [DATE — fill once exam booked]*

## **EDUCATION**

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**Cabrillo College** — Coursework in Computer Systems Networking and Telecommunications (2020 – 2021)

**Prospect High School** — Diploma (2008)