

Michael Cooper

FULL STACK DEVELOPER & SYSTEMS ADMINISTRATOR

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PROFILE

Full Stack Developer and Systems Administrator who ships production software and runs the infrastructure under it. Manages enterprise Microsoft 365, hybrid AD, and Intune by day; builds and self-hosts AI agents (Claude API, GPU Ollama), Next.js/TypeScript apps, Stripe commerce, and on-chain Solidity contracts on a Proxmox/Docker homelab.

EXPERIENCE

Systems Administrator

OCT 2024 – PRESENT

Inter Miami CF · Fort Lauderdale, FL

- Lead Microsoft Intune management and deployment across the organization, streamlining device provisioning and enforcing endpoint security policies in a hybrid cloud environment.
- Administer the enterprise Microsoft 365 (E3) environment, including hybrid Exchange Online, mailbox and quota troubleshooting, transport rules, and anti-spam policies.
- Manage enterprise Active Directory and identity (Okta); automate onboarding and routine administration with daily PowerShell scripting.
- Maintain virtualized server infrastructure (RAID-backed Dell PowerEdge) and configure network security with Palo Alto firewalls and GlobalProtect VPN.
- Support live MLS match-day operations and contribute to technology planning for the new stadium.

Frontend Developer

FEB 2023 – JUL 2024

CoinRoutes · Miami, FL

- Modernized the web presence using React, Contentful CMS, and Gatsby, driving a 15% increase in user engagement.
- Consumed REST and WebSocket feeds to render real-time trading data cleanly in the UI.
- Integrated Web3 libraries including Ethers.js and WAGMI for seamless blockchain interactions.

Systems & Network Administrator

JUN 2015 – DEC 2019

Wix · Miami, FL

- Managed Microsoft Server environments, ensuring 99.9% uptime across critical services.
- Administered Active Directory, managing user access and security organization-wide.
- Optimized local and cloud server infrastructure, improving efficiency and reducing operating costs.

SELECTED PROJECTS

ApplyPilot — AI Job Application Agent · applypilot.mycodedojo.com

Scores postings, writes tailored resumes and cover letters, and fills Greenhouse/Lever/Ashby forms with Playwright behind a human approve-before-submit gate; SSO dashboard and public activity log.

Python · Claude API (structured outputs) · Playwright · Flask · SQLite · WeasyPrint · Docker

CryptoThreads — Print-on-Demand Store · cryptothreads.mycodedojo.com

Generates print-ready apparel art from any coin's ticker and logo; Stripe card + stablecoin checkout with webhook-driven Printful fulfillment.

Next.js 14 · TypeScript · Prisma · PostgreSQL · Stripe · Printful API · Satori/Sharp

Shuin — Multichain NFT Minter · shuin.mycodedojo.com

Live on Base mainnet: factory-deployed collections with fully on-chain image storage (SSTORE2) and data-URI metadata; Sourcify-verified contracts.

Solidity · Foundry · Next.js 15 · wagmi/viem

FloorFeed — Social NFT Trading App

FOMO-style mobile feed of Solana NFT flips with P&L leaderboards, paper trading, and AI-generated trade takes (Claude, with local Ollama fallback).

Expo / React Native · Fastify · SQLite · Magic Eden API

Kasane — OKLCH Color-Scale Tool · kasane.mycodedojo.com

Perceptually uniform palettes with gamut mapping, WCAG contrast checks, and k-means image color extraction; zero runtime dependencies, 31 unit tests.

React 19 · TypeScript · Vite · Vitest

Self-Hosted Homelab & AI Platform

Proxmox + ZFS/PBS running 20+ services behind Caddy and Cloudflare: GPU-passthrough Ollama and ComfyUI, n8n, Home Assistant, Nextcloud, and an AD domain controller.

Proxmox · ZFS · Docker · Caddy · Ollama · n8n

SKILLS

AI & AUTOMATION

Claude API · LLM Agents
Ollama · Prompt Eng.
Playwright · n8n · Claude Code

DEVELOPMENT

TypeScript · React · Next.js
React Native / Expo · Node.js
Python · Flask · Fastify
GraphQL

DATA & WEB3

PostgreSQL · Prisma · SQLite
MongoDB · Solidity · Foundry
wagmi / Ethers.js · Stripe

INFRASTRUCTURE & SYSTEMS

Microsoft 365 · Exchange Online
Active Directory · Intune · Okta
Windows Server · GPO
Proxmox / ZFS

NETWORKING & DEVOPS

Palo Alto · GlobalProtect
Docker · Caddy · Cloudflare
PowerShell · Git

CERTIFICATIONS

Intune (MDM / MAM) — Hands On

Udemy · 2025

TypeScript: The Complete Developer's Guide

Udemy · 2023

Complete NodeJS Developer

Udemy · 2023

Next.js & React — The Complete Guide

Udemy · 2022

EDUCATION

MERN Full Stack Development Ironhack

400+ hr Bootcamp · Miami, FL · 2020

A.A., Computer Science University of Phoenix

Online · 2012 – 2016