

ROBERT MARTINEZ

Systems Administrator & Full-Stack Developer

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SUMMARY

Systems administrator and self-taught software developer with 13+ years supporting a woman-owned federal government contractor (GSA Schedule 70, SeaPort-e Prime), including 8 years as the sole owner of all IT operations — infrastructure, security, and the public-facing website. Ships production software across TypeScript/React, Cloudflare Workers, Swift, and C++ using a modern AI-accelerated development workflow. Equally at home migrating a VMware cluster or building a native macOS app from scratch.

EXPERIENCE

NS Software Services — Pensacola, FL (remote) • Federal government contractor

Systems Administrator (sole IT staff)

Mar 2018 – Present

- Recruited back by the company after prior tenure; solely responsible for all IT operations of a federal contractor — infrastructure, security posture, accounts, and end-user support.
- Designed, built, and maintain the company's public website (nssoftwareservices.com) end to end.
- Implemented automated backup and disaster recovery; zero data-loss incidents since rollout.
- Administer Office 365 end to end: security policies, access controls, SharePoint, and SSO integrations across Jira and Slack.
- Support Windows, Linux, and macOS environments for development and creative teams.

IT Support / Systems Administrator

2009 – 2014

- Owned all hands-on IT for the company: hardware diagnostics and repair, workstation builds, and infrastructure planning as the business grew.
- Consolidated 10 physical servers into a single ESXi host running 45 virtual machines — a ~90% hardware reduction with corresponding power, cooling, and maintenance savings.
- Designed and stood up development environments for the programming team.
- Supported the development of physical hardware for U.S. government operations.

SELECTED PROJECTS

Full portfolio: github.com/proverbiallemon

- SpectraSwift — Native macOS viewer for spectroscopy data (JCAMP-DX, Bruker OPUS): interactive plotting, peak picking, integration.
- pyrite64-mac — Ported a C++ Nintendo 64 game-engine toolchain to Apple Silicon macOS.
- Sailswift — Native Swift macOS mod manager: app architecture, filesystem management, UI.
- emdash-inbox — Cloudflare Workers-native email client built in TypeScript on the edge.

SKILLS

Development: TypeScript, React, Swift, C++, Cloudflare Workers, SQL/D1, Git, AI-assisted workflows (Claude Code)

Infrastructure: Windows Server, VMware vSphere/ESXi, AWS, Azure, Linux, macOS administration

Platforms & Scripting: Office 365, SharePoint Online, PowerShell, Bash, SSO / Jira / Slack administration

EDUCATION & TRAINING

- Programming coursework (C#) — Prosser School of Technology, New Albany, IN, 2009
- Additional coursework — Ivy Tech Community College (2016–2017); Indiana University Southeast (2008–2009)
- Primarily self-taught — current work spans TypeScript, React, Swift, C++, and edge computing