

MARLON AUSBY II

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Technical Engineer with 6+ years of experience building secure, data-driven systems in fintech, retail, and biomed. My background in biomedical sciences brings a rigorous, analytical approach to designing reliable, scalable applications.

PROFESSIONAL EXPERIENCE

My Well, Remote, IL 2021 to Present

Technical Support Specialist/Engineer 2025 to Present

- Engineered Python/TypeScript scripts for 40+ PCI compliant, vaulted data migrations (100K+ payment methods, 99.3% accuracy).
- Developed SQL reports and dashboards for 50+ clients and led fraud-detection initiatives that blocked over 200K+ suspicious transactions.
- Built Python and TypeScript tooling to diagnose and resolve virtual POS transaction sync failures, improving settlement accuracy and reinforcing PCI DSS Level 1 compliance — over \$1.3 Billion processed annually.

Technical Consultant 2021 to 2024

- Engineered sales focused pipelines that details the status and quality of a lead, ultimately generating over \$300,000 in ARR.
- Coordinate FinTech architecture and adoption for over 80 organizations annually.
- Engineered and managed API integrations between Google Sheets, Notion, and HubSpot.

The 7th Lab, Remote, USA 2018 to Present

Founder & Solo Operator

- Lead cross-functional teams in planning, development, and deployment of 20+ full-stack projects using modern frameworks (Next.js, React, FastAPI) and cloud-native architectures (AWS, Docker).
- Instituted Agile/DevOps practices (CI/CD, Terraform) to accelerate release cycles, achieving quarterly profitable product launches for 5+ years.

Vintage Etc., Remote, FL 2018 to 2020

Junior Developer & Assistant Store Manager

- Developed/maintained e-commerce sites (WordPress, Shopify, MySQL, Square), cut load times by 40%.
- Managed 15+ staff, optimized workflows, boosting efficiency 25%.
- Automated reports & trained teams, saving 12 hours/week on admin tasks.
- Achieved the sale volume of \$600,000+ in second-hand retail.

TECHNICAL EXPERIENCE

I manage a HomeLab that hosts several enterprise-rated services and devices. All of this is funded through my LLC, The 7th Lab. I'm a problem solver, and engineering is the tool.

- Architect and operate a 6-VLAN segmented UniFi network with managed switching, Proxmox virtualization, NAS storage tiers (2.5/10Gb), VoIP, IP cameras, and isolated IoT workloads.
- Maintain an active WireGuard VPN server enabling secure remote access and mobile edge networking for distributed users and devices.
- Deploy and manage self-hosted applications and APIs behind Cloudflare, leveraging DNS, reverse proxying, SSL/TLS, and Zero Trust controls for secure public exposure.

SKILLS

- **Languages:** Python, C#, Typescript, Javascript, Ruby, Go, SQL, HTML, CSS, Bash
- **Frameworks:** NextJS, Rails, React, FastAPI, Astro, Playwright, Flutter
- **Databases:** PostgreSQL, MySQL
- **Cloud & DevOps:** AWS, Azure, Oracle, Cloudflare, Docker, Proxmox
- **OS & Kernels:** MacOS, Windows, Linux (Debian), Arch (Linux), Fedora (Linux), Kali (Linux)
- **Payment & Security:** PCI DSS Level 1, Fraud Detection, Payment Gateway
- **Other:** REST APIs, Data Migrations, Reporting & Analytics, Presentations, Demos

PROJECTS

All projects use GitHub for version control

- **Scripture Commons** (scripturecommons.org): Flutter, Go, PostgreSQL
- **The 7th Lab** (the7thlab.com): Multi-tech infra—see site for more information
- **Marlon II** (marlonii.com): Typescript, HTML, CSS, Astro, Tailwind, Cloudflare
- **Learn Teach Grow** (learnteachgrow.org): Ruby on Rails, Go, SQLite, Cloudflare

EDUCATION & CERTIFICATIONS

University of South Florida, Tampa, FL

2016 to 2019

BS in Biomedical Sciences

- Applied Python and MySQL to build predictive datasets for biomedical research projects; deployed virtualized environments to support cross-OS spectroscopic software.