MauriceSanders

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PROFESSIONAL SUMMARY

Software Engineer with comprehensive experience building scalable AI-powered applications from concept to production. Led technical development and team management at Seamlessly, a B2B SaaS platform for social media automation, while maintaining expertise in QA automation and DevSecOps. Recently earned CompTIA A+ certification, demonstrating strong foundational knowledge in hardware, networking, and system troubleshooting. Currently pursuing M.S. in AI/ML at Georgia Tech and studying for multiple CompTIA certifications, reflecting deep commitment to cybersecurity and continuous learning.

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, TypeScript, Java
- **Frontend:** React, Next.js, Tailwind CSS, shadcn/ui, Framer Motion
- **Backend:** Node.js, Express, Supabase, PostgreSQL, AWS Lambda
- **AI/ML Tools:** OpenAI, Claude API, Gemini, Hugging Face, LLaMA 2, Cursor (AI-assisted development)
- **Test Automation:** Playwright, Selenium, Cucumber, TestNG, JUnit
- **DevOps & Cloud:** AWS (SAM, Step Functions, IAM, Lambda), GitHub Actions, Docker
- **Cybersecurity:** Secure API Development, DevSecOps Principles, Vulnerability Mitigation, IAM, RBAC, System Hardening
- **Certifications:** CompTIA A+ (2025) | In Progress: CompTIA Network+, Security+, CySA+

EDUCATION

- **Georgia Institute of Technology** — M.S., Artificial Intelligence/Machine Learning — Expected Graduation: May 2026
- **Northern Illinois University** — B.S., Computer Science

PROFESSIONAL EXPERIENCE

Fractional CTO — Seamlessly — Remote

Jan 2025 – Present

Founded and led technical development of AI-powered B2B SaaS platform for social media automation, serving restaurants and hospitality businesses with comprehensive content generation and scheduling capabilities.

- Architected full-stack application using React, Node.js, Supabase (PostgreSQL), and AWS Lambda, implementing secure authentication, subscription management (Stripe), and real-time data synchronization.
- Integrated multiple AI models (Claude API, OpenAI, Gemini) with custom prompting strategies to generate platform-specific content for Instagram, Facebook, and TikTok, reducing content creation time by 80%.
- Built social media scheduling system with automated posting workflows, managing 500+ scheduled posts monthly across multiple platforms and client accounts.
- Developed AI image generation pipeline using FLUX and DALL-E models, producing 1,000+ branded images for client campaigns with automated style consistency.
- Managed cross-functional team of 3 developers and 2 content specialists, implementing Agile workflows and conducting weekly sprint planning and retrospectives.

- Secured partnership with Kia Center (Orlando Magic arena) to provide social media automation services, demonstrating enterprise-level credibility and scalability.
- Delivered 15+ stakeholder presentations and pitch sessions to investors, partners, and clients, refining product vision and securing strategic partnerships.
- Leveraged AI-assisted development tools (Cursor, GitHub Copilot) to accelerate feature development by 50%, implementing complex UI components and API integrations with minimal iteration cycles.

Quality Assurance Engineer — Bellomy — Remote

Feb 2023 – Jan 2025

- Designed and maintained 100+ automated test scripts using Selenium, Java, and Playwright, increasing test coverage by 35%.
- Leveraged AI prompting tools (OpenAI, Claude) to enhance test automation and reduce manual debugging by 40%.
- Collaborated with development, support, and product teams, improving issue resolution time by 20%.
- Identified and reported critical software bugs, preventing production-level security and functionality issues.
- Applied comprehensive systems knowledge from hardware to software layers to effectively diagnose root causes of complex issues.

DevOps Engineer — Comcast — Remote

Aug 2022 – Nov 2022

- Designed secure and scalable AWS Step Functions workflows for serverless applications using the AWS SAM framework.
- Integrated IAM roles and DevSecOps practices to ensure secure cloud deployment pipelines.
- Automated front-end validation using Playwright, reducing manual test efforts by 40%.

PROJECTS

AI Agent with Secure Chat Bot | GitHub: ezDrinkBot

- Developed full-stack application with Node.js, React, and Supabase, incorporating secure user authentication and LLM-based AI interaction.
- Built testing infrastructure to ensure secure and reliable performance across staging and production.

Automated Visual Regression Testing

- Created JavaScript-based Playwright testing framework using Pixelmatch to enforce pixel-level UI accuracy across environments.
- Flagged unauthorized or unintended changes in critical UI components.

Quantitative Research & Signal Generation

- Built Python-based pipelines for algorithmic trading strategies using yfinance, Hugging Face Transformers, and TA-Lib.
- Focused on secure data handling and API integrity in market data processing.

ADDITIONAL STRENGTHS

- Builds automation and test frameworks from scratch
- Strong focus on secure software delivery and DevSecOps practices
- Proven ability to lead technical teams and manage cross-functional projects
- Excellent stakeholder communication and presentation skills
- Quick learner with focus on AI-enhanced development and problem-solving
- Experience building and scaling B2B SaaS products from concept to market
- Comprehensive understanding of technology stack from hardware fundamentals to advanced software systems