MITCHELL L. DAWKINS II

Portfolio | LinkedIn | GitHub

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SUMMARY

Senior full-stack engineer with 10+ years shipping production software, APIs, and AI. I work with the people who own the workflow, turn that work into a technical plan, and deliver systems they keep using. Hands-on with Python, Go, TypeScript, SQL, AWS, LLM applications, self-hosted model pipelines, and agent workflows.

EXPERIENCE

SportsBiz — *Senior Full Stack AI Engineer*

Jul 2026 - Present (contract) | United States

- Architect and ship production AI features inside the Center of AI Excellence, with the tech lead, data science, and product, on sports-marketing workflows.
- Deploy daily-use AI tools and the shared frameworks that let the team design and ship the next solution faster.
- Own the path from architecture to backend services, APIs, and the interface on a live platform.

AdHoc Research Associates — *Senior Computer Programmer*

Oct 2025 - Present (contract) | Remote

- Lead delivery of custom enterprise web applications against stakeholder and federal engineering requirements, from architecture through deployment.
- Bring AI-assisted development into the workflow to shorten build time while raising test coverage and code quality.
- Design PHP APIs and Vue front ends, and set architecture direction while paying down technical debt.

Dropbox, San Francisco, CA — *Full Stack Engineer*

May 2021 - Nov 2024 | Remote

- Led an AI chatbot rollout for tier-one support, raising CSAT by 20% and keeping cookieless tracking working in Chrome.
- Built full-stack applications on multi-million-dollar revenue paths, integrating third-party APIs into those flows.
- Owned production incidents for monetization and A/B testing systems using Sentry, Kibana, and PagerDuty.
- Resolved latency bottlenecks in internal services through profiling and optimization.
- Architected API integrations between Dropbox tools and third-party platforms, cutting manual engineering work.
- Led cross-functional work on internal tooling, reliability, and deployment across engineering teams.
- Shipped data dashboards that surfaced platform efficiency and shortened time to diagnose incidents.

Service Express, Grand Rapids, MI — *Senior Software Engineer*

July 2020 - April 2021

- Partnered with business users to scope and ship features on legacy PHP and MSSQL back-office systems.
- Built a Salesforce integration in Go so sales and marketing could work from the same customer data.

EARLIER

US Signal, Grand Rapids — Senior Application Developer, 2015–2017. Promoted twice in two years. Enterprise CRM and billing on PHP, Zend, and PostgreSQL.

Varsity News Network, Grand Rapids — Software Engineer, 2017–2020. REST APIs and JavaScript single-page apps, with TDD, BDD, and CI.

Remote-Learner — Frontend Developer, 2018–2020. Custom Moodle and Totara LMS work for enterprise clients.

ThriveDX — Lead Software Development Instructor, 2020–2023 (part-time). Taught programming to people becoming software engineers.

TECHNICAL SKILLS

AI

LLM applications, self-hosted pipelines, agent workflows, OpenAI API, Ollama, prompt engineering, AI-assisted development, n8n

Data

Python, pandas, SQL, PostgreSQL, MySQL, MSSQL, scikit-learn, report pipelines

Software

TypeScript, JavaScript, Python, Go, React, Vue, Node.js, PHP, REST APIs

Platforms

AWS, Docker, Linux, GitHub Actions, CI/CD, Sentry, Git

Delivery

Stakeholder discovery, solution design, prototype through production, enterprise integrations (Salesforce, Google Workspace, third-party APIs)

SELECTED AI SYSTEMS

Power & Context *Self-hosted LLM pipeline*

Turns an article URL into a two-host episode. Ollama by default, OpenAI when configured, on a Docker microservices stack.
podcast.360web.cloud

SEOS *Agent workflows*

Specialist agents plan, implement, test, and deploy from repository context, with lessons written back into the repo.
github.com/mitchelldawkinsjr/SEOS

EDUCATION

B.S. Information Systems Technology
Seminole State College of Florida
Magna Cum Laude

A.S. Computer Programming and Analysis
Seminole State College of Florida
Magna Cum Laude