





# Alex Seisler *Software Engineer*

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## PROFILE

**Software Engineer** with strong CS foundations (algorithms, data structures, OOP, distributed systems, concurrency) and **3+ years of experience** building **production SaaS and automation platforms**. Skilled in **full-stack development** (Python, Java, JavaScript, SQL, React, Node) with cloud deployment on **AWS (EC2, S3, Lambda)**, Vercel, and Docker. Proven ability to deliver production applications adopted by **100+ users**, integrated **Stripe payments**, and managed schema migrations across relational databases (**PostgreSQL, MySQL**) while implementing **vector databases (Pinecone, Weaviate, Chroma)** for AI-driven features. Experienced in **Agile collaboration, GitHub workflows, CI/CD pipelines**, and applying **automation/AI APIs** to enhance system efficiency.

## SKILLS

### Programming & Backend

Python • Java • JavaScript • TypeScript • SQL • FastAPI • Node.js • Express • REST APIs • GraphQL • Algorithms • Data Structures • Concurrency • OOP • Distributed Systems

### Frontend

React • Next.js • TailwindCSS • Shadcn UI • Framer Motion

### Databases & Migrations

PostgreSQL • MySQL • Supabase • MongoDB • SQLite • Vector DBs (Pinecone, Weaviate, Chroma) • Migrations (Flyway, Alembic)

### Cloud & DevOps

AWS (EC2, S3, Lambda) • Vercel • Docker • CI/CD

### Security & Testing

OWASP • Audit Logging • Test-Driven Development (TDD) • Integration Testing

### Collaboration & AI

Agile/Scrum • GitHub • OpenAI API • LangChain • Hugging Face • Make • n8n

## EDUCATION

### A. S. - Software Engineering

Thaddeus Stevens College of Technology GPA: 4.0 • Phi Theta Kappa Honors Society • Event Chair, Student Government Association (Expected May 2026)

## PROFESSIONAL EXPERIENCE

### Full Stack Software Engineer

ColumbiaPA300 Civic Engagement Platform - Remote | 2024 – 2025

- Deployed a civic SaaS platform on an **AWS-compatible hosting stack** with a **PostgreSQL database**, serving **100+ active users**.
- Integrated **Stripe Checkout** to process **\$1.5K+ in transactions**, and implemented a **voting workflow with 100+ submissions across 18 rounds**.
- Automated media workflows by connecting **Google Drive + Slack APIs**, supporting **120+ secure content uploads**.
- Impact:** Campaign generated **5.8K views / 2.1K unique users**, enabling measurable community engagement.

### Systems Engineer

AI Dev Federation Dashboard - Remote | 2024 – 2025

- Built a multi-agent orchestration platform (“company-in-a-box”) uniting the **CIAN (General Manager), System Architect, Security Architect, and DevBot** to optimize the flow **system design → development → deployment**.
- Designed platform to be **AWS-compatible with PostgreSQL support**, ensuring scalable and secure deployments.
- Developed an **interactive developer dashboard** (React, Tailwind, FastAPI) with Hugging Face + GitHub APIs, enabling **live repo navigation** and automated **LibCST patching**, reducing development cycle times by **85%**.
- Validated system through the **AI Dev: Trifecta community**, onboarding **3+ pilot users for early validation** of live CI/CD pipelines.

### Frontend Engineer

ACS Results (Student Portfolio SaaS) - Remote | 2023 – 2024

- Designed and launched a SaaS platform for **vocational students**, enabling 12+ users to create personalized digital portfolios.
- Collaborated with Student Services to host an on-campus campaign reaching **100+ students**, resulting in **first external client acquisition**.
- Implemented **tiered pricing**, generating **\$1K+ in initial SaaS revenue**.

### Automation Engineer

ACSResultsAI (Automation SaaS Showcase) - Remote | 2024

- Designed a SaaS-style showcase platform with a **React + TypeScript frontend** and **Supabase CRM schema** for user tracking.
- Integrated **automation stacks** (Voiceflow, Vapi, Make) to power **chatbots, AI call agents, and workflow automation services**, delivering a **3.2× ROI for clients**.
- Impact:** Delivered **3+ client-facing projects**, including the **SMMAA client prototype**.

### Software Engineer (Freelance)

RougeStoryWorld (Client Project) - Remote | 2024

Built a **mobile-first landing page** with **Amazon store + YouTube integration**, boosting **conversions by 34%** on a **paid freelance project** that strengthened **client branding**.