

## Summary

Full-stack software engineer and technical product strategist specializing in automation, data infrastructure, and cloud-native backends. In the past five years: delivered healthcare and education platforms at scale, led DevOps for high-throughput releases, and built reliable integrations across AWS and modern Python stacks. I focus on systems that reduce toil, surface signal, and ship value quickly. Recently, I have been leveraging AI resources and tools such as ChatGPT, n8n, MCP, and Linear to maintain quality while reducing research and development costs.

## Core Skills

- **Languages and Frameworks:** Python, TypeScript/JavaScript, SQL, React, Next.js
- **Cloud and Infrastructure:** AWS (Lambda, API Gateway, DynamoDB, RDS, EC2/ELB, Route 53, IAM/ACM, CloudWatch/X-Ray, EventBridge), CloudFormation, Serverless Framework, Docker, Kubernetes
- **Data and Pipelines:** PostgreSQL, Redis, Snowflake, ETL and ingestion, PynamoDB
- **CI/CD and Quality:** GitHub Actions, AWS CodePipeline, Tox, Poetry, Pytest, Playwright

## Selected Experience

### **Freelance** *Software Engineer and Consultant*

May 2009 - Present

- Cloud-native products and APIs on AWS with Python and React/Next.js; owned architecture, CI/CD, and technical operations end to end.
- Intrust Funding / Heaton Dainard (2024 - 2025): Snowflake and Python ETL from ATTOM and Salesforce; scheduled loads, automated reporting, cost controls.
- AI and automation integrations (2022 - 2025): OpenAI API and n8n with Slack bots for approvals and summaries with people in the loop when needed.

### **VYNYL** *Software Engineer*

Mar 2021 - Apr 2024

- Built AWS services for a healthcare portal integrating Zoom and Athena on Lambda and API Gateway; modeled data in DynamoDB via PynamoDB; observability with X-Ray and CloudWatch; CI with Serverless Framework and GitHub Actions.
- UCSF Multitudes: Playwright E2E tests and Python automation to validate CSV to database ingest with CI gates.

### **Submittable** *Software Engineer in DevOps*

Sep 2019 - Mar 2021

- Standardized CodePipeline and CloudFormation; EventBridge workflows; Pytest and Tox quality gates; GitHub and Slack release comms.
- Result: weekly to daily deploys and about 30 percent less release overhead.

### **TOMIS** *CTO*

Sep 2016 - Jul 2019

- Took founder ideation to marketable product: led specs, architecture, and delivery for a SaaS platform for tour operators (Python/Django, React).
- SDLC and reliability: Bitbucket Pipelines, Jira, Confluence, Usersnap, Sentry; monitoring with Datadog and Honeycomb; incident comms via Statuspage and UptimeRobot.

## Education

M.S., Computer Science (AI/ML emphasis) — University of Montana

B.A., Psychology — University of Montana    *Minors: Mathematics, Media Arts*