

Summary

Full-stack software engineer and technical product strategist specializing in automation, data infrastructure, and cloud-native backends. I design cost-aware ingestion and validation that keep products reliable. 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

- **Data and ETL:** Snowflake, PostgreSQL, DynamoDB (PynamoDB), Pandas; partitioned loads, scheduling, cost controls
- **Validation and Tests:** Playwright for E2E; Python automation for CSV to database checks; CI gates
- **Cloud and Services:** AWS Lambda, S3, API Gateway; GitHub Actions; Serverless Framework
- **Integrations:** Salesforce, ATTOM, REST APIs
- **CI/CD:** GitHub Actions, AWS CodePipeline; Tox, Poetry, Pytest

Selected Experience

Freelance *Software Engineer and Consultant*

May 2009 - Present

- Built data pipelines and lightweight dashboards; automated ETL in Python with GitHub Actions scheduling.
- AI and automation integrations: OpenAI API and n8n and Slack for summaries, approvals, and reporting.
- **Intrust Funding / Heaton Dainard (2024 - 2025):** Ingested ATTOM and Salesforce into Snowflake; scheduled tasks, automated reporting, and cost controls.

VYNYL - UCSF Multitudes *Software Engineer*

2021 - 2024

- CSV to database validation automation and Playwright E2E checks with CI gates to block regressions before release.

Submittable *Software Engineer in DevOps*

Sep 2019 - Mar 2021

- CodePipeline and CloudFormation; EventBridge workflows; Pytest and Tox quality bars; monitoring with CloudWatch.

TOMIS *CTO*

Sep 2016 - Jul 2019

- Built analytics and reporting for a SaaS platform; data quality via specs and automated checks; delivery and monitoring with Datadog, Honeycomb, Sentry, Statuspage.

Education

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

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