

LIAM NGUYEN

Software developer focused on integrations, workflow automation, and applied AI.

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SUMMARY

Software developer working with Go, Java, Python and SQL, with healthcare technology experience and open-source contributions in bug reproduction, code review and regression testing.

SKILLS

ENGINEERING

Go, Java 21, Spring Boot, REST APIs, Docker, Git

DATA

Python, pandas, Jupyter, SQL, Snowflake, Power BI, PostgreSQL, SQLite

WORKFLOW AND AI

Salesforce case data, Confluence, Jira, PyTorch (learning project)

LEARNING

Apex, SOQL, Lightning Web Components, Testcontainers

EXPERIENCE

athenahealth, Product Delivery Associate

NOV 2024 – AUG 2026

- Built Power BI dashboards from Salesforce case data to track case volume, resolution time and issue classification.
- Investigated healthcare data issues with Snowflake SQL and communicated technical findings to product and engineering teams.
- Built a Python desktop tool (pandas, openpyxl, Snowflake queries) that automated a data verification step previously done by hand in Excel.
- Maintained Confluence documentation and Jira workflows; processed data access requests during a Snowflake platform migration.

ZOLL Medical Corporation, QA Shift Lead / Incoming Inspector

JUN 2023 – OCT 2024

- Programmed CNC vision inspection routines to check defibrillator components against engineering tolerances, and documented nonconforming parts for engineering review.
- Led quality-assurance shift activities and trained new hires on inspection procedures and documentation standards.

OPEN-SOURCE CONTRIBUTIONS

VetLog, Python scheduler

PR #150 · Merged Sep 2026

- Identified a reminder-content bug during upstream review: pets with existing medical logs were still included.
- Contributed a filtered-list fix and mixed-case regression test; merged after maintainer approval.

OpenAI Codex, CLI bug investigation

Issue #48527 · Sep 2026

- Tested text selection and clipboard behavior across Ghostty and GNOME Terminal on Linux Mint.
- Reproduced a daemon-backed exit case that omitted the saved conversation name; the embedded control displayed it.
- Published findings and tested workarounds, distinguishing text-selection limitations from clipboard failures.

SELECTED PROJECTS

ContextPack, Python, tiktoken, PyTorch

github.com/HeyItWorked/ContextPack

Command-line tool that packs selected files into a fixed language-model token budget, keeps required files whole, and writes a report giving the reason every section was kept or dropped. The same inputs always produce the same output. 57 tests.

RiverRoot, Go, Docker, SQLite

github.com/HeyItWorked/RiverRoot

Self-hosted CI server that runs YAML-defined pipeline steps as host processes or in Docker containers, with marked steps in parallel, and stores builds in SQLite behind a REST API and dashboard.

MedCVE, Python, pandas, Jupyter, pytest

github.com/HeyItWorked/MedCVE

Analyzed 1,515 healthcare-tagged CVE records without dropping rows, exported nine JSON files to a static dashboard of charts and tables, and added tests that check the committed exports still match the raw data.

r3f3r, Vue 3.5, Spring Boot 3.5, Oracle

github.com/HeyItWorked/r3f3r

Referral follow-up tracker for a busy coordinator: log specialist referrals and spot overdue follow-ups from one compact dashboard, with due-date counts computed server-side.

EDUCATION & CERTIFICATIONS

University of Manitoba, BSc Computer Science

Google Advanced Data Analytics Professional Certificate, Google

AUG 2026

AWS Certified Cloud Practitioner, Amazon Web Services