

London

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ISAAC HARRIS-HOLT

<https://github.com/isaacharrisholt>

<https://ihh.dev>

EDUCATION

London **Imperial College London** **Oct 2020 – Feb 2022**

- **Degree:** Chemical Engineering, MEng
- **Grade:** 1st (First Year, left to pursue SWE)

EMPLOYMENT

Founding Full-Stack Engineer **Pluto Labs** **Mar 2023 – Present**

Solo Engineer at Affordable Housing Startup

- Created [multiple full-stack web applications](#) from the ground up, serving the needs of shared ownership residents.
- Led internal product projects from inception to completion, managing designers, marketers and both internal and external stakeholders.
- Designed client dashboards for hands-free project reporting, reducing required contact hours for the whole team.
- Frequently improved app performance by identifying and removing bottlenecks at both the database and application layer.

Leveraged knowledge of TypeScript, Go, PostgreSQL, Python.

Software Engineer **Urban Jungle Insurance** **Feb 2022 – Mar 2023**

Data-focused Engineer at InsurTech Disruptor

- Architected and developed the Kubernetes deployment of an events-based microservice backend.
- Engineered orchestrated data pipelines with [Dagster](#).
- Reduced external report generation time from 11 hours to 30 seconds by migrating from Python to SQL with [dbt](#) and [BigQuery](#).
- Improved database microservice efficiency by up to 80% by optimising [SQLAlchemy](#) queries.
- Designed and deployed backend microservices for large-scale data streaming.

Leveraged knowledge of Python, SQL, Docker, Kubernetes, AWS, Google Cloud Platform, RabbitMQ.

PERSONAL PROJECTS

Personal Website: <https://ihh.dev>

A personal blog in Astro.

- Home for my tech and personal finance articles.
- <100 kB (excluding images!)

Database E2E test harness: <https://github.com/isaacharrisholt/supawright>

An open-source TypeScript package recursively creating and destroying database records during end-to-end tests.

- Uses advanced Postgres and graph algorithms to create dependency-aware table trees for recursively creating records.
- Utilised: TypeScript, PostgreSQL, Playwright.

Programming YouTube channel: <https://youtube.com/IsaacHarrisHolt>

Videos for mid-senior developers keen to gain a greater understanding of various technologies.

- ~13,000 subscribers at time of writing

SKILLS

Software: (*fluent*): JS/TS, Python, Git, SQL, Docker (*proficient*): Go, Gleam (*familiar*): C++, Erlang