

Hal Wall.

hal@chubb ~ %
ai_engineer

< CONTACT />

Barnes, London
henry.n.wall@gmail.com
07516 188203
halwall.me
henryrwall

< CAPABILITIES />

LANGUAGES

Python PySpark SQL
TypeScript

PLATFORMS

Databricks Azure Kafka
Delta Lake ADF Unity Catalog
Supabase

DEVOPS AND METHODS

Git CI/CD Azure DevOps
Agile/Scrum Tableau Power BI

< EDUCATION />

BSc Physics with Theoretical Physics
Imperial College London · 2017 to 2020

A-Levels and iGCSEs
Malvern College · 2012 to 2017

< CERTIFICATIONS />

Business Analytics: From Data to Decisions
Imperial College Business School · Feb to Jun 2022

Career Track: Data Science with Python
DataCamp · Feb to Apr 2022

Lakehouse Fundamentals
Databricks · 2022

< PROJECTS />

The Daily Canon
One carefully chosen work of literature every day.
thedailycanon.org

Timewell
An annual leave planner stripped of its usual HR clunkiness.
timewell.uk

< INTERESTS />

Reading Hiking Wildcamping
App development Dog training
Guitar French (B2) Cooking
Running

From first principles to production pipelines.

Data and AI engineer with over four years of experience designing production-grade pipelines and cloud-native architectures across insurance and finance. Currently building AI systems on top of Chubb's global data estate, working across North America, EMEA and APAC to support data-driven underwriting and risk assessment at enterprise scale. Trained in Theoretical Physics at Imperial College London, which is where the habit of taking a system apart to see what it is actually doing came from.

< EXPERIENCE />

AI Engineer, Global Analytics JUN 2026 TO PRESENT
Chubb Insurance

- Building AI systems on top of the global data estate: applying language models and probabilistic methods to problems that were previously handled by rules, and putting the results somewhere underwriters can actually use them.

Data Engineer, Global Analytics AUG 2025 TO PRESENT
Chubb Insurance

- Leading the design and build of Chubb's curated external company data asset across EMEA and Global, owning entity resolution, vendor data conflation, and data architecture across multiple commercial providers and millions of records.
- Built a probabilistic entity resolution pipeline with a 300× runtime improvement over the production system it replaced.
- Developed a full-stack automated pipeline dashboard using Next.js, FastAPI and Tailwind.

Data Engineer JUN 2025 TO AUG 2025
AXA Insurance · via Kubrick Group

- Built an automated deletion and retention framework ensuring GDPR compliance across every layer of a medallion architecture, tested to guarantee zero accidental deletions.
- Created architectural documentation for complex metadata-driven infrastructure, adopted by both the consultant and internal engineering teams.

Data Engineer, EMEA Analytics NOV 2024 TO MAY 2025
Chubb Insurance · via Kubrick Group

- Refactored a 30,000-line legacy pipeline from monolithic notebooks into modular PySpark, reducing runtime from 270 minutes to 45.
- Delivered end-to-end data products supporting AI-driven risk modelling and virtual portfolio analysis.
- Shaped platform governance during the Azure migration, implementing Unity Catalog and automating critical pipelines with Kafka and Databricks Workflows.

EARLIER

Junior Data Engineer Quilter Financial Planning · via Kubrick Group OCT 2022 TO NOV 2024
Data Engineering Trainee Kubrick Group MAY 2022 TO OCT 2022
Marketing Executive Twogether MAR 2021 TO APR 2022
Founder, Freelance Designer WallCache OCT 2019 TO MAY 2021

< SELECTED PROJECT />

The Daily Canon OCT 2023 TO PRESENT
Founder · thedailycanon.org

- Novels, short stories, poems, essays, plays, philosophy: great writing in all its forms, delivered one day at a time.
- Drawn from a growing canon that reaches back roughly four millennia.
- Open the app, meet today's work, and let the daily rhythm turn reading from an aspiration into a practice.