

# Alberto Morón Hernández

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[albertomh.com](http://albertomh.com)

[github.com/albertomh](https://github.com/albertomh)

Software engineer at ease across the stack and at home in cross-functional teams. Keen on robust APIs, DevOps practices and ensuring all disciplines have a seat at the table. I believe in automation to achieve consistency and enable teams to focus on delivery and problem-solving.

**Languages:** Python, SQL (Postgres), Bash, Java, TypeScript

**Frameworks:** FastAPI, Pydantic, SQLAlchemy, Alembic, Django, React, Angular, pytest, Selenium

**Tools:** Git, Docker, GitLab pipelines, Terraform, Google Cloud, make, pre-commit

**Methodologies:** peer review, Agile, DevOps, CI/CD, IaC, trunk-based flow, release automation

## EXPERIENCE

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### Senior Software Engineer

University of Cambridge

Sep 2022 – present

Remote & Cambridge, UK

- Collaborate with Product Managers, User Researchers, Business Analysts and fellow engineers on a data-driven & cloud-first strategy to deliver services that enable Cambridge's admissions process.
- Use Agile methods to discover user needs and iterate on effective ways of working with stakeholders.
- Build and maintain APIs that are testable, scalable and secure.
- Write and peer-review code across the stack: Python (FastAPI, Django), Terraform (Google Cloud), Bash & YAML (pipelines), TypeScript (React).
- Adopt DevOps practices: containers, IaC, GitLab CI/CD pipelines, automation, monitoring, Twelve-Factor.
- Co-lead interviews for software engineers.

### Software Engineer

Wealth Club

Feb 2019 – Apr 2022

Bristol, UK

- Enabled flagship site to grow 94% YoY and handle 10x traffic spikes. Made it 3.5x cheaper to run & increased SEO score with serverless Cloudflare Workers.
- Reduced costs: performed attribution modelling to understand clients' response to marketing campaigns and halved the monthly CDN bill by refactoring to alternatives within Cloudflare.
- Analysed and visualised investment data with Python & JavaScript: numpy, pandas, D3.js.
- Co-led interviews for software engineers & testers. Mentored two junior colleagues.

### Junior Developer

Nomensa

Jun 2017 – Feb 2019

Bristol, UK

- Part of a team of UX researchers, designers, developers, and client stakeholders building a learning platform for the NHS.
- Pioneered JavaScript service workers to enable the webapp to work offline inside operating theatres.
- Created data visualisation & forecasting tools in Python (numpy, matplotlib) to monitor application health and provide insights into user behaviour.

## EDUCATION

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### The University of Manchester

B.A., Linguistics – First Class Honours

2014 - 2017

Manchester, UK

Research on paraphrasing verbal metonymy via computational methods supported by Amazon through an AWS Educate grant. Awarded the 2017 Q-Step Prize for best quantitative dissertation. [arxiv.org/abs/1709.06162](https://arxiv.org/abs/1709.06162)

### University of Massachusetts, Amherst

Computational Linguistics – 3.8/4.0 GPA, Dean's List

2016

Massachusetts, USA