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[Portfolio site](https://samanthahughes.me/)

[Schedule a meeting](https://calendly.com/shughes-uk/30min)

# Skills

Python (10 years+), Typescript, Javascript, SQL, Django, Celery, CI/CD, Github/Gitlab, React, Distributed Systems, UI/UX, AWS/GCP, Terraform, Docker, EC2/ECS/RDS, Kubernetes, Redis, Python Packaging, Hubspot, SSO, Analytics, Data engineering, Datadog, OSS

# Experience

### Coiled

### Mar 2021 -> Present

### *Staff Software Engineer*

* Drastically reduced churn with a first class analytics system directly feeding information to support engineers, switching user support from a reactive footing to proactive that was no longer reliant on customers reaching out with issues.
  + - “Coiled support is amazing. I’ll run into an issue and before I have a chance to mention it I have an email in my inbox” - Customer
* Doubled conversion rate with a UI onboarding flow that led users through the complicated cloud onboarding process.
* Conceived, designed and implemented the “[package sync](https://docs.coiled.io/user_guide/software/sync.html)” feature.
  + [Massively faster](https://medium.com/coiled-hq/just-in-time-python-environments-ade108ec67b6) than traditional docker images
  + Eliminated the most common cause of errors with Dask in the Cloud
  + 100% boost to conversion rates and delighted customers

*Software Engineering Team Lead*

* + Identified key architecture issues, planned a year long roadmap, and led a top achieving team on a rewrite of core systems, resulting in improved reliability from 70% to 99.9% and up to 5x faster boot times.
  + CI/CD and team education that allowed the company to move from deploying once a month to multiple times a day, increasing velocity and reducing deployment risk.

*Software Engineer*

* + Cut CI/CD runtime from 1hr+ to under 5 minutes while reducing costs 5x.
  + Migrated all AWS infrastructure for the company to terraform, and set up a slack-ops account “vending machine” to both increase security and accelerate developer experience.
  + Crypto-jacking/fraud mitigation

## Feb 2018 - Mar 2021

### Nom Nom Data *- Lead Software Engineer*

* Full Stack Platform Development on a SaSS data engineering product.
* Python, Flask, React, AWS, Docker, CI/CD, Stripe, AWS Lambda, ECS

## Mar 2017 - Feb 2018

### Anaconda Inc *- Junior Internal Data Scientist*

* Data pipeline + dashboarding for web logs of package downloads. Processed and enriched, billions of rows.
* Python, Dask, InfluxDB, Airflow, Postgres, Grafana.

# Education

## 2006 - 2012

### University of Reading, UK *- AI & Cybernetics*

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