

# Rémy Naylor

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## Experience

### Infogrid (*Smart buildings*)

#### Software Engineer - End-to-End Customer Experience AUG 2022 - PRESENT

Led development of a sales pitch tool capable of replaying previously captured sensor data at scale.

- Leveraged Fivetran, dbt and AWS Lambda for data extraction, transformation and processing
- Released incremental functionality to rapidly deliver value on a tight project timescale

Enhanced Django REST APIs to give a clearer overview of customers' estates and alerts, collaborating on architectural proposals to split out this functionality into a dedicated event-driven microservice.

### Limejump (*Renewable energy*)

#### Software Engineer - Data and Reconciliation JUL 2020 - AUG 2022

Architected, built and released a new universal billing system capable of generating invoices, enforcing financial control processes, and serving them to customers.

- Used Python and Django (PostgreSQL backend) with Celery for task queueing, Django REST framework for API interfaces, django-fsm for state management, django-storages (S3 backend) for secure document storage, and numpy for billing calculations.
- Implemented code quality checks, unit & integration tests and CI/CD using CircleCI.
- Deployed the application using Docker and Kubernetes with autoscaling to quickly respond to increased load, and provisioned AWS resources using Terraform
- Worked closely with stakeholders throughout to refine functionality and deliver continuously

Developed ETL pipelines for ingestion of third-party and internal data into a time-series PostgreSQL database, using a combination of Python, raw SQL and Airflow for orchestration.

Substantially refactored and enhanced an internal Python library for parsing industry-specific file formats to allow for performant data extraction without holding entire files in memory.

Organised and ran onboardings for new team members on our systems and the UK energy industry.

#### Software Engineer - Customer Experience JUL 2019 - JUN 2020

Worked in a small team to design and implement a new customer portal in React to display real-time generation and market data, integrating with the legacy portal to enable piece-by-piece migration.

Reimplemented the customer portal backend as a microservices architecture in Node.js.

### Huguenot Services Limited (*Financial services*)

#### Software Engineer MAY 2018 - JUL 2019

#### Junior Software Engineer SEP 2017 - APR 2018

Led a team developing an investment reporting platform for automated document production and complex web builds, using Python and Django.

Line managed three junior members of the team, developing training plans, assisting with day-to-day development and evaluating their progress on a monthly basis.

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## Qualifications

#### AWS Certified Developer - Associate NOV 2021

#### Sidney Sussex College, University of Cambridge

#### MSc Systems Biology, 1st SEP 2016 - JUN 2017

#### BA (Hons) Mathematics, 1st SEP 2013 - JUN 2016

Awarded prize for best master's research project, using machine learning techniques in Python to investigate possible mechanisms for asymmetric plant cell division.

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## Volunteering

#### The Access Project (*Education charity*) Volunteer Tutor NOV 2021 - PRESENT

Tutored A-level Maths students to build problem-solving skills and strengthen university applications.