

Robert Manteghi

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github: unruffled-nightingale

LANGUAGES / FRAMEWORKS

Python

- FastAPI
- Flask
- Django Rest Framework
- Faust

Java

- Spring
- Kafka Streams

Typescript / Javascript

- React

TOOLING

Cloud

- Kubernetes
- Docker
- Digital Ocean
- AWS

Databases

- Kafka
- Postgres
- Opensearch
- OracleDB
- Redis
- S3

CI-CD

- Jenkins
- CircleCI
- GitHub Actions
- Azure

A lead full-stack software engineer believing clean architecture and simple design build the most powerful and extensible platforms.

EXPERIENCE

Babylon Health, London - Lead Software Engineer

OCTOBER 2018 - PRESENT

- Maintained and developed Babylon Health's event streaming platform, growing it to a platform consisting of over 12,000 topics, across 13 clusters, processing half a billion records a day.
- Lead developer for the Population Health Explorer that empowers non-technical users to query and analyse Babylon Health's data, enabling population-level health insights.
- Implemented tooling to simplify utilisation and promote adoption of event streaming.
- Lead developer for the Flow Builder enabling non-technical users to construct data pipelines for ingesting, transforming and exporting data within Babylon Health.
- Managed a team overseeing projects and providing guidance for personal development.

Experian, London - Senior Data Engineer

SEPTEMBER 2014 - OCTOBER 2018

- Responsible for the recalculation of the UK's largest business database.
- Led the improvement and development of data recalculation, refactoring the existing monolithic framework to decoupled stream processes.
- Lead developer of Experian's event streaming platform, allowing users to connect APIs within the wider Experian business through pipelines.

PROJECTS

Kino

- Co-creator of Kino, an application, built with React and Django Rest Framework, that exhibits trailers of critically acclaimed films and enables users to filter by rating, language, genre, release date, and runtime.

Event Stream Registry

- An open source event streaming platform built on top of Kubernetes, Kafka, Strimzi, Fission.io, Confluent Schema Registry, Grafana, Minio, Prometheus and Kowl.

Others

- See www.unruffled-nightingale.com

EDUCATION

University of Leeds, Leeds

SEPTEMBER 2010 - JULY 2014

BSc Mathematics and Philosophy - First Class Honors