


# Robert Farrow

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RFarrow9 

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## Employment

2019 - Present

### HTK - Full Stack Data Engineer

- Technical owner, architect, lead developer and product owner of a distributed cloud native delta lake platform for analytics, visualisations and machine learning called Autopilot.
- Development of Dev-Ops processes for supporting the development lifecycle, implementation of IAC tooling, and integration of code with CI/CD/CT pipelines. Distribution of these lessons and technologies to the wider team for adoption across the company.
- Initial design and implementation of testing library for Autopilot using Pytests. A focus on automated testing, fully documented to reduce bus factors, and pre-planning sprints to support upskilling QA and full automation of the code delivery pipeline.
- Management of developers & testers, sprint planning, proof of concept development and analyses of technologies in order to achieve best fit for the companies needs.
- Evangelist for best practices and adoption of new technologies to shorten development cycles, increase reliability and minimise technical debt.
- Consideration of the 'edges around the code', making sure to use & deploy best practices for deployment, monitoring, security, networking & budgetary awareness, alongside consistent and up to date documentation.

 AWS	 Terraform	 Python	 Spark	 ML	 Docker
 Golang	 T-SQL	 Pandas	 Hadoop	 Athena	 Git
 SVN	 Glue	 Jenkins	 CICDCT	 EMR	 ECS

2018 - 2019

### Marsh - Data Developer

2016 - 2018

### NHS Norfolk & Suffolk Foundation Trust - Business Intelligence Programmer

## Other Projects

### Terraform Looker Provider

Developed a custom terraform provider for Looker by teaching myself Golang in order to automate consistent deployment of various Looker resources.

 Golang  Terraform  Git

### Solar Prophet

Personal home-lab started hosting docker based services. Built to serve media, store backups on network storage and to host services for wifi mesh and dynamic ad removal.

 Docker  Networking

### Patient Journey

A data exploration tool built in Excel using VBA and integration with SQL Server. Built to address the needs of practitioners at the trust, and to grant immediate access to the most up to date data in an easy to consume format. Built in visualisations for an at a glance 'health check' at any level to and to inform on immediate concerns.

 VB  T-SQL

## Education

2012 - 2015

University College London - BSc Chemistry

2010 - 2012

Alton College - A Levels: Maths (A), Chemistry (A), Biology (A\*)

## Other

Recently finished building an eco house at Graven Hill. Aimed to build a house as fully self sufficient as possible, very glad to be done! I now know far too much about building control processes.

Amateur cyclist, hoping to complete the 'North Coast 500' next year.