


Robert Farrow

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LinkedIn 

Medium 

This CV 

Professional Experience












2022 Nov - Present

 AWS
 Terraform
 Python
 SQL
 Serverless λ
 Git
 TypeScript
 Javascript
 Go
 Spark
 Github Actions
 Docker
 dbt
 Snowflake
 APIs
 Linux
 LLMs

Profusion - Head of Engineering

- Lead and manage an engineering team, overseeing day-to-day operations and responsibilities. Successfully scaled the team from 3 to 12 members, adapting to business changes to maintain an optimal team size of 8.
- Oversee budgets for the engineering department, driving the transition from a loss-making unit to the leading revenue generator for the business. Led on adding structure to our internal accounting process adding visibility and accountability, leading the business from loss making to profitable.
- Developed and implemented a utilization model to identify and optimize inefficiencies in the project pipeline, enhancing overall productivity.
- Developed strategic plans for the team, aligning technologies, skill redundancies, AWS partnership, and goals to drive personal and business growth.
- Foster a culture of continuous learning and improvement, providing knowledge frameworks, challenging projects, and leading by example to encourage engineers to reach their full potential.
- Communicate effectively both inside the organization to educate the wider company about data engineering and software development, and their future direction, as well as outside the company with blog posts like [coding, tenacity, video games & the beauty of failure](#) and [the machine that builds the machine](#)
- Provide expert insights to inform business strategy and roadmap, leveraging a deep understanding of the data and software industry.
- Contribute to sales efforts, leading the pitch to successfully secure the company's largest project worth over £2 million over 2 years.
- Developed a IAC framework using terraform for AWS account management including but not limited to VPC setups, VPN, IAM assume roles and permission designation, budgeting, alerting, budgeting & endpoint management to support a new framework for multiple clients in their own clouds

2019 Aug - 2022 Nov

 AWS
 Terraform
 Python
 SQL
 EMR
 Lambda
 Jenkins
 Go
 Appmesh
 Looker
 Pytest

HTK - Full Stack Data Engineer

- Developed [Autopilot platform](#), a machine learning product that ingests real-time horizon data and automatically generates insights, such as churn and anomaly detection.
- Designed and implemented a fully decoupled, well-documented, and maintainable architecture using EMR, SFN, Lambda, ECS, Appmesh, Athena, Looker, Sagemaker, RDS.
- Built a custom go based terraform provider for the looker BI tool in order to support fully automated CICD based deployments of Autopilot.
- Employed MLOps practices for machine learning model deployment, including API integration, automated training workflows, artifact generation, and detection of outdated models.
- Established a CI/CD architecture for immediate failure detection in the core codebase, utilizing Jenkins, BlueOcean, and Slack for notification handling.
- Built a fully functioning data generator that could realistically model consumer habits using the spark framework that scales to billions of rows of data for full integration testing.