Robert Farrow

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This CV ⩔

Professional Experience

2022 Nov - Present

- 🟥 AWS
- 🟦 Terraform
- 🟩 Python
- 🟧 SQL
- 🟧 Serverless λ
- 🟥 Git
- 🟦 TypeScript
- 🟪 Javscript
- 🟩 Go
- 🟧 Spark
- 🟪 Github Actions
- 🟩 Docker
- 🟨 dbt
- 🟩 Snowflake
- 🟧 APIs
- 🟩 Linux
- 🟪 LLMs
- 🟦 Azure
- 🟧 GCP

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.