


# Robert Farrow

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This CV 

## Professional Experience












2022 Nov - Present

 AWS  
 Terraform  
 Python  
 SQL  
 Serverless  $\lambda$   
 Git  
 TypeScript  
 Javascript  
 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 hired & onboarded new team members, performance managed, and strive to not do the easy thing as a leader, but the right thing, unafraid to make hard decisions to maintain a high-functioning team.
- 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. Upskilled project management to this process, and now comfortably sit in the minimum 70% billable work zone for consultancy profitability.
- Developed strategic plans for the team, aligning technologies, skill redundancies, AWS partnership, and goals to drive personal and business growth. I hold my team and myself accountable for their own development and 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](#)
- 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.