VARUNA TECH INC.

Varuna Moves from AWS to Google Cloud

Qwinix helped Varuna cut wasted cloud spend, reinforce cloud security practices, and build a foundation for advanced IoT and machine learning capabilities with an AWS to Google Cloud migration.

The challenge

Varuna was running on multiple servers and wanted to avoid over-provisioning. To do this, they needed to move to a serverless architecture, which would allow them to reduce wasted cloud spend and expand their product's machine learning capabilities.

Critical assets included Varuna IoT's front-end website, client portal application (Python app with Django), and AWS relational database.

The approach

- Database Migration: AWS RDS Postgres database instance to a Cloud SQL Postgres instance
- Front-end Website Migration: S3 hosting of static HTML and JavaScript files to Google Cloud Storage buckets and representative Cloud CDN service instances
- Application Migration: Python (with Django) app from AWS Elastic Beanstalk to Google App Engine
- Secure Google Cloud Landing Zone Setup: Assessed, designed, and implemented cloud security best practices

The results

- Migrated infrastructure from AWS to Google Cloud
- Reduced monthly cloud spend
- Expanded machine learning capabilities
- Reinforced cloud security best practices

"Qwinix brought a lot of clarity and execution structure to our migration from AWS to Google Cloud. We're very happy and confident in our knowledge that our deployment was done optimally and expertly by the solid Qwinix team."

–Seyi Fabode, Co-founder

VARUNA

About Varuna

Varuna IoT is a real-time water quality monitoring company. It uses deployable sensors and cloud-based software to provide real-time insights into water health and workflow optimization.

Industry: Energy & Utilities

Location: United States

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About Cloudbakers & Qwinix

We bring the cloud down to Earth. The future of your business hinges on adopting and adapting to changing technology – that's what we're here to help with.

Google Cloud Partner

Products

- Google Cloud Storage
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