

# Russell Dias

Tech Founder | Sr. Full Stack Engineer | AWS Solutions Architect

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in [Russell Dias](#)

📍 Valletta, Malta

**Senior engineering professional with 6+ years of experience.** Currently, I'm a **full-stack engineering lead** at YLabs (US), heading AWS serverless efforts and optimizing cloud infrastructure costs. I'm also a **serial tech founder with three startups**, including **Fluxforms** (AI-based forms analytics tool), **Parentheses Labs** (a software consultancy), and **Blip Chat** (AI-powered virtual assistant). Previously, I've also worked on product strategy, launches, and development for leading med tech, ed tech, SaaS, and U.S. government organizations (including Conwaste, Thena, Archimedes, Taloflow, and QuantLegal Tech).



Check out my website for my work portfolio: [russdias.com](https://russdias.com)

## Skills

- Programming Languages: **TypeScript, JavaScript, NodeJS, Go, Python**
- Frontend Engineering: **ReactJS, NextJS, Server Components, Gatsby, Strapi, React Query**
- Backend Engineering: **AWS, GCP, GraphQL, tRPC, Docker, Kubernetes, Express, Edge Functions, MongoDB, Cloud Run, Lambda, S3, EventBridge, SQS, NeonDB, Rest API, PostgreSQL, EC2, AppSync, API Gateway, Vector DB**
- Mobile Engineering: **React Native and Flutter**
- Management: **Led remote engineering teams, managed and maintained SaaS products**

## Work Experience

### Ylabs (CyberRwanda - a digital platform for sex education)

Jan 2023 - Present

#### Senior Full Stack Engineering Lead & AWS Cloud Lead

- Drastically reduced cloud infrastructure costs from \$500/m to just \$5/m by migrating to a serverless setup.
- Migrated from a legacy codebase to a more efficient NextJS system within 2 months.
- Implemented USSD in 10 days for the app's eCommerce page.
- Optimized app experiences by moving to the latest React Native version, leading to a 3x faster experience for end users.
- Implemented a pub-sub architecture to help with async tasks and reduce wait time for app users.
- Contributed to a study on [Sustainable and Scalable Features in Digital Health](#) by the University of San Francisco.

Programming languages & technologies used

React Native

AWS

NextJS

JavaScript

TypeScript

Pub/Sub

Go Lang

NodeJS

GraphQL

MongoDB

### Parentheses Labs (Software consultancy)

Aug 2022 - Jan 2023

#### Co-Founder, AWS Cloud & Backend Lead

- Co-founded a software consultancy and scaled to a remote team of 4 designers and 8 engineers within 8 months.
- Successfully built software products for clients in the U.S. and U.K.
- Built all the products using the AWS serverless infrastructure.
  - **Blip Chat (AI-powered virtual assistant)**
    - Used GPT 4 and vector embeddings to build a chat-based support assistant.
    - Successfully tested the beta version with a closed group of 4 large-scale companies, reducing workloads by up to 80% for customer support teams.
    - Built the entire infrastructure on AWS serverless using SAM, effectively keeping costs as low as \$10/mo.
  - **Fluxforms (AI-based forms analytics tool)**
    - Designed and developed an AI-based forms analytics app within 33 days.
    - Scaled to 5000+ users in 2 months.
    - Migrated to serverless architecture and optimized tech costs by 95%.
    - Led VC and Angel investor pitches and landed an initial seed round of \$150K.
    - Managed a remote team of 4 engineers.

Programming languages & technologies used

AWS

Serverless

NodeJS

GraphQL

Docker

Postgres SQL

TypeScript

Go Lang

NextJS

OpenAI

Vector DB

## Taloflow - YCombinator (Cloud vendor evaluation tool)

Jan 2022 - Jul 2022

### Senior Full Stack Engineer (Contract US)

- Built a collaborative notion like editor for cloud cost estimations using NextJS and Slate.
- Through research and feedback, optimized the interface leading to a 2x increase in editor performance.
- Managed a team of 3 engineers remotely.

Programming languages & technologies used



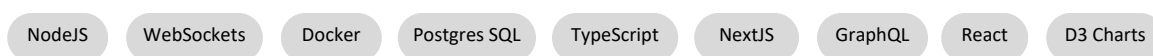
## Thena (A customer engagement platform for Slack)

Jul 2021 - Dec 2021

### Senior Full Stack Engineer (Contract US)

- Built the MVP that led to a \$2M funding round.
- Set code and infra standards for the team to build faster.
- Implemented a pub-sub architecture to aid async tasks and reduce wait time.

Programming languages & technologies used



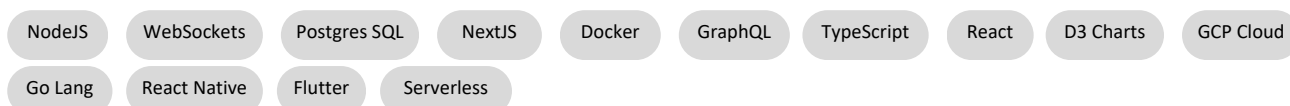
## Archimedes (SF-based software consultancy)

Jan 2020 - Jun 2021

### Senior Full Stack Engineer & Cloud Solutions Architect

- Worked as a solution architect for multiple projects handling infrastructure.
- Worked as an engineering lead doing code reviews, customer onboarding, and client requirement checks.
- Led a remote team of 6 engineers.
- Developed the all infrastructure using infrastructure as code.
  - **Conwaste (A NYC 311 service for San Juan, Puerto Rico)**
    - Developed and managed 2 mobile apps and dashboards for the U.S. government and stakeholders.
  - **Canid (A med-tech product for children vaccinations)**
    - Developed a vaccine finder for kids in NYC to get the COVID-19 vaccine
  - **Nerdbird (An ed-tech platform)**
    - Led the engineering team (backend & frontend) as a solution architect

Programming languages & technologies used



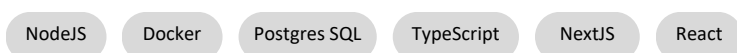
## QuantLegal Tech (VC facilitator application)

2017 - 2020

### Full Stack Engineer

- Worked with the frontend team to build the admin apps and dashboards
- Migrated a legacy create-react-app JavaScript codebase to a NextJS Typescript app.
- Built server-side rendered dashboards for the app.
- Built a scalable and extensible design system

Programming languages & technologies used



## Publications

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- Contributed to a study on Sustainable and Scalable Features in Digital Health by the University of San Francisco.