Rishab Nayak

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Education

Boston University

Master of Science in Computer Science, GPA 3.95

Boston University

Bachelor of Arts in Computer Science, Bachelor of Arts in Chemistry, CS Major GPA 3.65

Certifications

Professional Cloud Architect   May 2024

Google Cloud

Experience

OXOS Medical   Nov 2023 - Present

Sr. Software Engineer II

- Built custom **Yocto Linux distro**, reducing device boot time and storage usage by **50%**; developed kernel optimizations and board support packages (BSPs); enabling secure **A/B System OTA updates** with Mender
- Migrated OXOS executables to build with **Bitbake**, enabling **host-independent cross-compilation**, uploading built artifacts to a **private APT repo**, improving developer productivity by **30%**
- Negotiated **$100k Google Cloud credits**, realizing over **$80k savings**
- Migrated CI/CD from on-prem Jetsons to autoscaled GCP Kube Cluster using **multi-platform, multi-architecture Docker images**, cutting build times by **5x** and operational costs by **40%**
- Configured organizational XPC and implemented secure **point-to-point VPN** connections with OpenVPN Access Server, supporting robust **hybrid cloud development workflows**
- Implemented device telemetry and logging, enabling **rapid issue triaging** and significantly reducing issue resolution times
- Facilitated **organizational cloud migration** efforts and served as a key resource for **security best practices** across development teams

Joyn   May 2023 - Oct 2023

Founder and Chief Technology Officer

- Co-Founded Joyn - a communication platform leveraging AI to create **unique social experiences** and enable next generation advertising, raised $200k in pre-seed funding from angels
- Architected and developed an **end-to-end encrypted** multi-platform real-time communication app for **iOS, Android, macOS, Windows and Web** with Flutter and a **NestJS Backend**
- Achieved **58.3% 28-day user retention** - 95th+ percentile for social apps

Mount   Feb 2020 - Apr 2023

Founder and Chief Technology Officer

- Co-Founded Mount - a platform whose goal was for people to be able to **rent anything, to anyone, at anytime**, raised **$3.5M** in seed funding, built a team of **12** highly motivated individuals
- Developed and architected Mount Platform (Web) and Mobile App (Apple App Store and Play Store) for **rentals, intelligent asset tracking and revenue management** among other key features
- Built the Mount API with **FastAPI (Python)**, a drop-in solution for hosts seeking something more customizable - setup with **enterprise-grade security** on Google Cloud, keeping growth and scale in mind

Projects and Leadership

EyeSpace | *Flutter, Tensorflow, Google Cloud, Codemagic*   Oct 2020

- Conceptualizing and developing an **accessibility tool to empower visually impaired** via an autopilot for humans, committed to delivering accessibility, autonomy and inclusion
- Motivating a seven member team to produce a cross-platform mobile application leveraging **cloud compute, machine vision and natural language**

Skills, Achievements and Interests

Languages: Python, Java, Dart, JavaScript, SQL, Swift, Objective-C

Developer Tools/Technologies/Frameworks: Google Cloud Platform, AWS, VSCode, XCode, Android Studio, Linux, Docker, Kubernetes, CI/CD, Terraform, Flutter, Git, GitHub, GitLab, OpenCV, Tensorflow, Keras

Achievements: MLH Top 50; 4x Dean's List; UROP Recipient, Summer 2020

Interests: Cycling, Rock Climbing, Hiking, Travel