

# Hrithik Roshan

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• ronakpunase.dev

## SUMMARY

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Adaptable Data Engineer with 2+ years of experience designing and optimizing scalable data pipelines for health and cloud monitoring systems. Proficient in Python, AWS, GCP, and data processing frameworks, with a proven track record of deploying services monitoring and anomaly detection solutions. Passionate about leveraging health and telemetry data to unlock actionable insights and improve data-driven product efficiency.

## EXPERIENCE

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### Senior Data Engineer

Microsoft • [microsoft.com](https://microsoft.com)

03/2021 – Present  
Redmond, WA

- Architected and implemented high-throughput **data pipelines** in Python and Spark on **AWS** and **GCP**, processing terabytes of monitoring and health telemetry data daily.
- Designed and deployed anomaly detection systems leveraging statistical models and machine learning for cloud service monitoring, improving incident detection speed by 43%.
- Led cost optimization of cloud-based data storage, reducing operational expenses by 30% through efficient data partitioning and lifecycle management.
- Built data models to extract actionable health signals for customer-facing dashboards, increasing user engagement by 35%.
- Collaborated cross-functionally with cloud engineering and data analytics teams to define data quality metrics and implement end-to-end monitoring solutions.

### Data Engineer

Amazon • [amazon.com](https://amazon.com)

06/2018 – 02/2021  
Seattle, WA

- Developed and maintained scalable ETL pipelines in Python and SQL, integrating multi-source health and telemetry data for analytics platforms.
- Migrated data workload to **AWS** using S3, Redshift, and Glue, improving query performance by 45% and reducing storage costs by 25%.
- Implemented monitoring frameworks for operational data streams, including OpenTelemetry instrumentation, ensuring 99.9% data reliability.
- Automated health data quality validation and anomaly alerting, reducing data loss events by 60%.
- Partnered with analytics teams to deliver actionable insights from sensor and athlete data to product management.

## KEY SKILLS

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**Programming:** Python, SQL, Spark, Bash

**Cloud:** AWS (S3, Redshift, Glue, Lambda), GCP (BigQuery, Dataflow)

**Data Engineering:** ETL Pipelines, Data Warehousing, Monitoring Frameworks, Anomaly Detection, OpenTelemetry

**Tools:** Docker, Airflow, Git, Jira, Amplitude

**Soft Skills:** Cross-functional Collaboration, Agile, Data-driven Decision Making

## **AWARDS & CERTIFICATIONS**

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**Product Manager of the Year** • Microsoft • 2023

**Innovation Award** • Amazon • 2020

**Certified Scrum Product Owner (CSPO)** • Scrum Alliance

**Google Analytics Individual Qualification** • Google

## **EDUCATION**

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**MBA in Technology Management** • Stanford Graduate School of Business • Stanford, CA • 2018 • GPA: 3.9/4.0

**B.S. in Computer Science** • University of Texas at Austin • Austin, TX • 2016 • GPA: 3.7/4.0