

Haard Trivedi

Cloud Infrastructure Engineer at Amazon Web Services (AWS)

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Summary

- 4+ years of relevant experience in AWS cloud development, infrastructure deployments, data pipelines
- 1 year of driving mobile app development as team lead and full-stack engineer, available on Google Play Store
- Extensive knowledge in backend engineering, big data, data warehousing & full-stack development
- Thorough exposure to ETL, CI/CD and DevOps processes

Experience

Amazon Web Services

Cloud Infrastructure Engineer

Jan. 2022 - Present · Vancouver, BC

- Instrumental to the Shared Delivery Team and thrived as professional services consultant to 6 AWS clients
- Programmed 10 AWS workloads using CDK, CloudFormation & Terraform, performed cloud migrations, established pipelines, and setup customers' networking & AWS environments using a plethora of AWS services
- Used cutting edge tools such as Lambda, SNS, RDS to engineer a serverless Pub-Sub Node.js application to migrate critical production data of 100000+ MB between 48 OracleDB and Aurora PostgreSQL tables
- Designed & automated enterprise backup solution deployed in 300+ AWS accounts with recovery, validation and testing performed on Lambdas in Python (Backup, RDS, S3, IaC)
- Automated 5 highly-available AWS infrastructure deployments using TypeScript CDK and IaC (CloudFormation & Terraform)
- Created microservice for DynamoDB data manipulation from API Gateway REST APIs and Lambda in TypeScript CDK
- Full-stack development of an AWS internal training & learning site for employees in Node.js (Lambda, API Gateway, DynamoDB)
- Provided mentorship, wrote informational blogs and presented technical knowledge sessions for employees and AWS users

Cloud Infrastructure Engineer

June 2021 - Aug. 2021 · Vancouver, BC

- Automated AWS ETL pipeline for account metrics & resources decreasing manual creation time by 80% to generate security dashboards (DataSync, SSM, Athena, Glue)
- Specialized in network performance upgrade of 10%, infrastructure provisioning and building APIs

University of Ottawa

Software Engineer Lead

Jan. 2021 - Dec. 2021 · Ottawa, ON

- Wellness Hub: mobile application for students to navigate health & wellness resources in the community, currently available on Google Play Store
- Using a MERN stack, my team & I were able to ship the product into Beta release to receive user feedback in 8 months

Micro Focus

Cloud Engineer

May 2020 - Aug. 2020 · Ottawa, ON

- Member of CloudOps team that performed cloud migration of Intersect, a UEBA cybersecurity software that performed insider threat detection
- Updated ElasticSearch API for cost optimization by 20% and data collection enhancement
- Applied Machine Learning concepts for proxy mappings of 10,000+ users

Software Engineer

Sept. 2019 - Dec. 2019 · Ottawa, ON

- Implemented the modification and installation of Intersect's infrastructure to identify potential insider threats to a system
- Updated Intersect installer to perform data integration with Hadoop, Cloudera, Ambari and Nifi and decrease installation time by 30%

Global Affairs Canada

Security Engineer

Jan. 2019 - Apr. 2019 · Ottawa, ON

- Developed ETL pipeline to store PII data in warehouses through a Python ML application (NumPy, Pandas, Django)

CIBC

Application Developer

May 2018 - Aug. 2018 · Toronto, ON

- Handled task automation & server admin to decrease manual labour in vital procedures and increase efficiency by 22%
- Developed IAM application to process & confirm privileges of 10000+ employees

LifeLabs

Software Test Engineer

Sept. 2017 - Dec. 2017 · Toronto, ON

- Tested features & resolved performance issues with Salesforce application
- Developed Java application to validate information, perform data insertions & updates to CSVs to decrease manual effort time by 70%

Education

University of Ottawa · Sept. 2017 - Dec. 2021

BASc Software Engineering

Business Management and Entrepreneurship (Co-op)

Magna cum Laude, Dean's Honour List

Projects

Wellness Hub

I believe in using my skills to improve the world. So as team lead and software engineer I collaborated with the University of Ottawa and developed a mobile application, currently available on the Google Play Store, for students to navigate health & wellness resources in the community.

e-Accomodate

AirBnB clone full-stack application with React, Node and Express along with a secured SQL database on the backend. Includes ability to sign up as different user types (renter, landlord, manager) to provide an experience exclusive to the user.

U of O Deliver

Mobile application similar to DoorDash that permits users to order food to campus from select neighbouring restaurants. The React Native application was usable on Android and iOS platforms.

haardtrivedi.github.io

My personal website.

Skills

PROGRAMMING LANGUAGES: Java, Python, JavaScript, SQL, XML, C, Bash, HTML, CSS, Powershell, Terraform, CloudFormation

TECHNICAL SKILLS: AWS, Infrastructure Deployment, Full-Stack Development, DevOps, ETL, CI/CD, Big Data & Data Warehouse, Backup & Disaster Recovery, Mobile Development, Agile, Machine Learning, Scrum

FRAMEWORKS: AWS CDK, React Native, Node.js, React, MERN, Redux, Angular, Django, PyTest, JUnit

PLATFORMS & TOOLS: Hadoop, MongoDB, MySQL, PostgreSQL, Oracle, HDFS, Linux Systems, Firebase, Elastic Search, Android Studio, GitHub, GitHub Actions, GitLab, Artifactory, Ambari, Nifi, Cloudera, Circle CI, Docker, Hue, Jenkins, Eclipse, Tableau, Beeline

LANGUAGES: English, French, Gujarati, Hindi

Certifications

AWS Certified Cloud Practitioner

AWS Certified Solutions Architect Associate

AWS Speaker II

AWS Tech U Graduate

AWS Well-Architected Proficient

Awards

Dean's Honour List
University of Ottawa

Google Tech Challenge
Top 3 | Google

uOttawa Engineering Competition
Top 5 | University of Ottawa