

Haard Trivedi

Senior Full Stack Engineer at Fidelity Investments

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Summary

- 5+ years of experience in AWS cloud development, infrastructure deployments, data engineering
- 1 year of driving app development as team lead and engineer, free on Google Play & App Store
- Extensive knowledge in backend engineering, big data & full-stack development
- Thorough exposure to ETL, CI/CD and DevOps processes along with 2 years of leading teams

Experience

Fidelity Investments

Senior Full Stack Engineer

Sept. 2023 - Present · Salt Lake City, UT

- Developed internal messaging platform REST APIs for integral real-time communication of 1000+ daily messages of 500 events with <1s latency
- Designed Pub-Sub and streaming APIs including Kafka, Kinesis, SNS, SQS, Lambda and ActiveMQ for 500 users
- Lead full-stack efforts to develop customer self service UI to onboard producers and subscribers for Kafka and ActiveMQ from scratch (Node.js & SpringBoot)
- Upgraded SNS-SQS user portal accessed by 150 producers and 200 subscribers
- Updated message size to support up to 100KB of information and to include file attachments up to 5GB
- Lead SLC team, wrote vital documentation and presented technical knowledge sessions for new features
- Edited CloudFormation templates and code for workflows involving Lambdas and Step Functions
- Leveraged object oriented technologies such as Java, Python & TypeScript
- Used relational and NoSQL databases such as DynamoDB, ElasticSearch & PostgresDB
- Lead production install efforts outside business hours, performed DevOps maintenance tasks such as version upgrades and provided support to our 150 customers

Amazon Web Services

Cloud Infrastructure Engineer

Jan. 2022 - June 2023 · 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 the App Store and Google Play Store
- Using a MERN stack, my team & I were able to ship the product into Beta release to receive user feedback within just 8 months

Education

University of Ottawa

BASc Software Engineering

Business Management and Entrepreneurship

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 & App 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.

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

Awards

Dean's Honour List

University of Ottawa

Google Tech Challenge · Top 3

Google

uOttawa Engineering Competition · Top 5

University of Ottawa