

# Haard Trivedi

Senior Software Engineer - API | Fidelity Investments

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## SUMMARY

- 6 years of experience in AWS cloud development, full-stack engineering, system design and infrastructure deployment
- 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 and mobile development

## EXPERIENCE

### Fidelity Investments | Jersey City, NJ

#### Senior Software Engineer - API

DEC 2025 - PRESENT

- Develop Fidelity Stock Transfer Portal, a brand new application for 1000s of users
- Enhance 4 backend API systems that communicate with PostgresDB
- Design Cucumber testing framework to migrate 150+ Playwright tests
- Expert level knowledge of RESTful APIs (Java & Node), SQL, system design, data structures, and algorithms and proven track record of delivering full-stack cloud applications
- Angular and React development for frontend web & mobile portal

#### Senior Software Engineer - Fullstack

SEP 2023 - DEC 2025

- Developed internal messaging platform REST APIs for integral real-time communication of 3B+ messaging & 12B streaming events per quarter with 1s latency
- Designed Pub-Sub and streaming APIs including Kafka, Kinesis, SNS, SQS, Lambda & ActiveMQ to enable 1660 use cases
- Lead full-stack efforts to develop customer self service UI to onboard producers and subscribers for Kafka and ActiveMQ from scratch (Node.js & SpringBoot)
- Updated SNS-SQS user portal accessed by 496 producers and 698 consumers
- Increased 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

### Amazon Web Services | Vancouver, BC

#### Cloud Infrastructure Engineer

JUN 2021 - JUN 2023

- Instrumental to the Shared Delivery Team and thrived as professional services consultant to 6 AWS clients
- Deployed 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
- Automated the design to an 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
- Created microservice for DynamoDB data manipulation from API Gateway REST APIs & Lambdas
- Full-stack development of an AWS internal training & learning site for employees in Node.js
- Provided mentorship, wrote informational blogs and presented technical knowledge sessions for employees and AWS users
- 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 & building APIs

## EDUCATION

### University of Ottawa

#### BASc Software Engineering

Business Management and Entrepreneurship,  
Magna cum Laude

## PROJECTS

### Mapper

#### Google Play Store

I was asked by a small business owner to aid in their task of routing multiple employees to a certain destination. So I developed an Android app to find the distance and time for multiple routes and store queries for fast search.

### Wellness Hub

#### Google Play Store | App Store

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.

## SKILLS

**Programming Languages** | Java, Python, Java Script, SQL, XML, C, Bash, HTML, CSS, Powershell, Terraform, CloudFormation

**Technical** | AWS, Infrastructure Deployment, Full-Stack Development, DevOps, Kafka, ActiveMQ, Mobile Development, ETL, CI/CD, Big Data & Data Warehouse, Backup & Disaster Recovery, Machine Learning

**Frameworks** | AWS CDK, React Native, Node.js, React, MERN, Redux, Angular, Django, PyTest, JUnit

**Platform & Tools** | MySQL, PostgreSQL, Oracle, HDFS, Linux Systems, Hadoop, MongoDB, 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