Haard Trivedi

Senior Full Stack Engineer | 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 · Boston, MA

- 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 and 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
- 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 customer support

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 & building APIs

University of Ottawa
Software Engineer Lead
Jan. 2021 - Dec. 2021 · Ottawa, ON

- Wellness Hub: mobile app for students to navigate health & wellness resources in Ottawa
- Currently available on the App Store and Google Play Store
- Using a MERN stack, shipped 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, Java Script, 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