HAARD TRIVEDI

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LINKS

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EDUCATION

University of Ottawa
BASc. Software Engineering

Business Management & Entrepreneurship Option
Mandatory Co-op

Magna cum Laude
Dean's Honour List (2018-2021)

SKILLS

- AWS (4 years)
- Java (9 years)
- Python (6 years)
- JavaScript (6 years)
- SQL (6 years)
- Infrastructure Deployment
- Full-Stack Development
- DevOps
- ETL Process
- CI/CD Process
- Big Data & Data Warehouse
- Backup & Disaster Recovery

LANGUAGES

- English
- French
- Hindi
- Gujarati

SUMMARY

- 4+ years of software engineering experience including full-time, part-time and internships in AWS cloud, infrastructure deployments, data manipulation & pipeline
- Major focus in engineering applications, performing migrations & setting up a new or hybrid AWS cloud environment
- 1 year of driving mobile application development as team lead and full-stack engineer, available on Google Play Store (https://play.google.com/store/apps/details?id=com.wellnessmobile.wellnessapp)
- Extensive knowledge in backend engineering, big data, data warehousing and full-stack development through professional work
- Thorough exposure to ETL, CI/CD and DevOps processes

EXPERIENCE

Amazon Web Services (AWS) | Cloud Infrastructure Engineer

Vancouver, BC | Jan 2022 - Present

- Instrumental to the Shared Delivery Team, thrived as a consulting engineer to 6 AWS clients
- Programmed 10 highly-available & scalable AWS infrastructure 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, developed and automated state-of-the-art enterprise backup solution deployed in 300+ AWS accounts with recovery, validation and testing performed on Lambdas in Python (AWS Backup, RDS, PyTest, CloudFormation)
- 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 JavaScript using Lambda, API Gateway, Amplify and other services
- Clearly conveyed messaging, key missives and critical updates across team, departmental, business, organizational, and geographic lines, to drive consensus, cooperation, and interdisciplinary success
- Provided mentorship, wrote informational blogs and presented technical knowledge sessions for employees and AWS users

Amazon Web Services (AWS) | Cloud Infrastructure Engineer

Vancouver, BC | Jun 2021 - Aug 2021

- Designed & automated AWS-based ETL data pipeline for analysis of account security metrics & resources decreasing manual process time by 80%
- Drove seamless and timely pipeline automation & deployment of DataSync, SSM, Athena, Glue other AWS resources to generate QuickSight dashboards
- Specialized in network performance upgrades by 10% & infrastructure provisioning

Micro Focus | Cloud Engineer

Ottawa, ON | May 2020 - Aug 2020

- Member of the CloudOps team that performed cloud migration & added cloud capabilities to Interset, a cybersecurity software that conducted UEBA for insider threat detection
- Performed cloud migration for application features to AWS
- Updated ElasticSearch API for cost optimization by 20% and data collection enhancement

Micro Focus | Software Engineer
Ottawa, ON — Sep 2019 - Dec 2019

- Integral part of the Dev team that worked on an application installer used to setup Interset's system infrastructure on premise
- Implemented the modification and installation of Interset's infrastructure to identify potential insider threats to a system
- Updated Interset installer to perform data integration with Hadoop, Cloudera, Ambari and Nifi and decrease installation time by 30%

Global Affairs Canada | Security Engineer
Ottawa, ON | Jan 2019 - Apr 2019

- Applied machine learning concepts and ETL pipeline to store sensitive information in data warehouses through a Python project
- Utilized NumPy and Pandas to ETL data into star schema warehouse
- Used Django to design a GUI for the application frontend
- Performed test automation with Pytest

CIBC | Application Developer
Toronto, ON | May 2019 - Aug 2019

- Part of the DevOps team that handled task automation to decrease manual labour in vital procedures and increase efficiency by 22%
- Developed IAM application to process & confirm privileges of 10000+ employees
- Developed applications for big data that incorporated Hadoop, HDFS & Hive
- Applied Hadoop MapReduce concepts in daily development
- Maintained Dev environment as server administrator

Life Labs | Software Test Engineer
Toronto, ON | Sep 2019 - Dec 2019

- Tested features, resolved performance issues with SalesForce application
- Developed Java application to cross examine CSV files and validate information, perform data insertions & updates that decreased manual effort time by 70%

PROJECTS

Wellness Hub | Software Engineer Lead
Jan 2021 - Dec 2021 | https://play.google.com/store/apps/details?id=com.wellnessmobile.wellnessapp

I believe in using my software engineering skills to improve the world. Which is why I acted as both, team lead and software engineer when I collaborated with the University of Ottawa and developed a mobile application for students to navigate health & wellness resources in the community. Using a MERN stack, my team and I were able to ship the product into a Beta release and receive user feedback in 8 months. It is currently available on Google Play Store, coming to the App Store soon.

e-Accomodate
Mar 2020 - Apr 2020 | https://github.com/HaardTrivedi/e-Accomodate

I programmed an AirBnB-type full-stack application with React, Node and Express along with a secured SQL database on the backend. It included the ability to sign up as different user types - renter, landlord and manager to provide an experience exclusive to the user.

U of O Deliver
May 2019 - Jul 2019 | https://github.com/HaardTrivedi/FoodDeliveryApp

As a part of a university course I created a 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.