



Shoaib Shaikh

Software Engineer

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PROFESSIONAL EXPERIENCE

Amazon

September 2021 - Present

Software Development Engineer 2

Toronto, Ontario

- › Used multi-threaded, asynchronous Java programming to increase device update throughput from ~10 devices per second to ~95 devices per second
- › Implemented back-fill scripts using AWS Lambda and SQS to migrate data from legacy systems into DynamoDB
- › Managed the productionizing and deployment of a migration service, including dashboards with monitors and alarms

Amazon

April 2020 - September 2021

Software Development Engineer

Toronto, Ontario

- › Designed and implemented an intermediary service to facilitate the migration from a legacy decade-old advertising system to a modern stack
- › Launched US-only web services to worldwide marketplaces
- › Implemented React web components shown to 100K+ daily active users

The Citizen Lab - University of Toronto

January 2020 - April 2020

Research Assistant

Toronto, Ontario

- › Wrote Python scripts to retrieve, filter, and process, and analyze data from websites like Twitter

Amazon

May 2019 - August 2019

Software Development Engineer Intern

Toronto, Ontario

- › Eliminated latency spikes caused by cold starts in AWS Lambda by implementing a caching strategy using S3, which also reduced API latency from 500 ms to 0 ms
- › Developed a full-stack web application for debugging purposes in order to avoid manually searching through server logs or DynamoDB

IBM

May 2018 - May 2019

Software Developer Intern

Markham, Ontario

- › Identified and fixed numerous software bugs in the front-end (Angular) and back-end (Java)
- › Built DevOps automation and reporting tools to notify teams on Slack and by email

University of Toronto

September 2016 - April 2018

Teaching Assistant

Toronto, Ontario

- › Answered students' questions regarding course content
- › Coordinated and invigilated midterm evaluations and final exams

EDUCATION

University of Toronto

HBSc - Computer Science (focus in Artificial Intelligence)

2015

SKILLS SUMMARY

Programming Languages

Java, Python, JavaScript/TypeScript, C/C++, C#, Kotlin, PHP

Web Development

HTML5/CSS3, Express, Node.js, Next.js, React, Vue, Angular

Mobile Development

Android, React Native

Dependency Injection

Dagger, Guice, Spring

Databases

DynamoDB, MongoDB, MySQL, PostgreSQL, Redis

CI/CD & Testing

Docker, Jenkins, TravisCI, Jest, JUnit, Mockito, Selenium

Cloud

Amazon Web Services (AWS), Google Firebase, Microsoft Azure

Data Science & Machine Learning

NumPy, pandas, PyTorch, scikit-learn, TensorFlow

Version Control

Git/GitHub/GitLab

TECHNICAL INTERESTS

- › Automation
- › Digital Transformation
- › Microservice Architecture
- › Scaling Cloud Infrastructure
- › Software Lifecycle (Maintenance/Migration/Deprecation)