

Bilal Ishtiaque

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Education

Bachelor of Engineering (B.Eng), Software Engineering

2013 - 2018

McMaster University, Hamilton, Ontario

Certifications:

AWS Certified Architect - Associate

November 2023

AWS Certified Developer - Associate

April 2022

Certified Scrum Master

March 2019

Advanced Certified Scrum Developer

March 2019

Professional Experience:

Software Development Engineer

October 2022 – Present

Amazon – Vancouver BC

- Designed and developed software solutions as part of the Advertisement Technology Platform team to address challenges in developer experience and optimize performance within a distributed architecture.
- Identified and analyzed bottlenecks within the platform infrastructure and developed strategies to mitigate these issues, enhancing system performance and reliability.
- Proactively sought opportunities for process enhancement and automation, implementing solutions to streamline workflows and improve overall productivity.
- Tech Stack:** Java, Gradle, Typescript, REST APIs, Amazon Web Services (AWS), Postgres DB, DynamoDB, SQL, AWS Lambda, ECS, S3, SQS, SNS, ALB, API Gateway, CloudWatch, AWS CDK, CloudFormation.

Backend Developer

June 2021 – September 2022

Lululemon Athletica – Vancouver BC

- Developed multiple event-driven asynchronous microservices within a distributed cloud-native architecture, powering a multi-million-dollar application handling high-volume traffic.
- Successfully led the creation of end-to-end backend solutions, which involved: System design, development, testing, deployment, monitoring and alerting.
- Tech Stack:** Python, Javascript, Flask, NodeJS, ExpressJS, Postman, REST APIs, Amazon Web Services (AWS), SQLite, AWS Lambda, ECS, S3, SQS, SNS, ALB, API Gateway, CloudWatch, Terraform, Splunk, Sentry, PagerDuty.

Software Developer

July 2018 – March 2021

Rogers Communications - Toronto ON

- Created end-to-end backend solutions in a microservices oriented architecture. Successfully lead the full application development lifecycle of multiple projects and microservices, creating highly scalable distributed systems.
- Successful migrated existing on-premises monolithic backend to a distributed cloud-native microservices architecture, optimizing scalability, performance and reducing cost by over 50%.
- Tech Stack:** Java, Python, Javascript, Spring, SpringBoot, NodeJS, Flask, JUnit, Postman, REST APIs, SOAP services, Maven, Docker, Microsoft Azure, Azure Pipelines, Cassandra, OpenShift, Azure Kubernetes Services (AKS), NGINX.

Technical Skills:

Programming Languages:

Java, Python, Typescript, Javascript, Gradle, HTML/HTML5, CSS/CSS3, XML.

Frameworks:

Spring/SpringBoot, Flask, Django, Angular, Bootstrap, Ionic, Android SDK.

Testing Frameworks:

Selenium, Appium, TestNG, JUnit, Jasmine, Karma, PyTest.

DevOps & Tools:

Azure Pipelines, Jenkins, Kubernetes, Docker, VMware, Maven, Gradle.

Databases:

Apache Cassandra, MariaDB, PostgreSQL, MySQL, SQLite and SQL.

Cloud:

Amazon Web Services (AWS), Microsoft Azure & Google Cloud Provider (GCP).

Documentation:

OpenAPI (Swagger), JSON Hyper Schema, ReDoc, AsciiDoc, Markdown.

Other Skills:

Postman, SOAP UI, Networking, Command line (bash).