

Rushabh Vakharwala

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Technical Skills

Languages: Java, Python, C++ , JavaScript/TypeScript, Go, Kotlin, C#, SQL, PL/SQL

Frameworks: Spring Boot, Spring Cloud, Angular, React, Node.js, Django, .NET Core, Express.js

Cloud & DevOps: AWS (Lambda, SQS, SNS, ECS, S3, MSK), Azure, Docker, Kubernetes, OpenShift, Jenkins, ArgoCD

Databases: Oracle DB, MySQL, MongoDB, PostgreSQL, Kafka, Redis, JDG (JBoss Data Grid), Firebase

Tools: Git, CI/CD Pipelines, Microservices, RESTful APIs, Agile/Scrum, Multithreading, System Design

Professional Experience

Senior Technical Lead (Full-Stack)

Feb 2022 – Present

BMO Bank of Montreal

Toronto, ON

- Lead 6-engineer team managing cloud-native microservices for **1.8M+ customers** from BMO-Bank of the West merger; conduct code reviews, sprint planning, and mentor 4 junior developers
- Leading "Insights" project predicting debit/credit transactions using **AWS SQS/SNS**, notifying customers of account activities to help identify costs and improve financial planning
- Developed Security Hub with **Oracle DB** storing login metadata for suspicious activity detection; implemented password strength assessment to prevent unauthorized access
- Implemented **SSO** using SAML/proprietary tokens for retail/SMB customers via iframes in Angular SPA for seamless cross-account transfers
- Designed **multithreaded solution** for credit card processing with asynchronous calls; reduced vendor communication by **25%** while minimizing CPU/memory consumption
- Migrated Java/Spring Boot applications to **AWS** (Lambda, Spring Cloud) with CI/CD pipelines; implemented **blue/green deployments** for zero downtime
- Led Kafka migration to AWS MSK with **AES encryption**; integrated OpenSearch, ELK, Dynatrace; optimized performance using **JDG distributed caching**

Software Developer

Jun 2020 – Feb 2022

BMO Bank of Montreal

Toronto, ON

- Built Backend-for-Frontend (BFF) microservices using Java/Spring Boot with RESTful APIs for account management and payment processing
- Developed integration layers connecting **15+ internal banking systems** with caching strategies and database query optimization
- Implemented secure data transmission protocols during cloud migration ensuring compliance with banking security standards

Software Developer (Co-op)

Sep 2019 – Apr 2020

BMO Bank of Montreal

Toronto, ON

- Contributed to backend development projects using Java and Spring Boot; participated in Agile sprints and feature implementations

Junior Android Developer

Jul 2017 – Aug 2018

Samay Software

Gujarat, India

- Developed Android mobile applications using Java and Kotlin; implemented UI components and integrated RESTful APIs

Education

Master of Applied Computing

2020

University of Windsor

Windsor, ON

Bachelor of Computer Science & Engineering

2017

Babaria Institute of Technology

Gujarat, India

Certifications

AWS Certified Developer Associate (2024) – [View Credential](#)