RITIK BHEDA

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SKILLS

Programming Languages: Java, C++/C#, JavaScript, TypeScript
Cloud and DevOps: Amazon Web Services (AWS), Azure, Terraform, serverless, Docker, Kubernetes, Jenkins, git, CI/CD
Message Queues and Development: RabbitMQ, Apache, Kafka, RESTful APIs, gRPC, GraphQL
Tools/Databases: Kibana, Splunk, Grafana, LoadRunner, K6, JMeter, SQL, Dynamodb, Cassandra, Oracle, Redis

WORK EXPERIENCE

Lead Software Engineer, Performance *September 2023 – Present*
CGI Toronto, ON
- **Led a team** of 3 performance engineers to design and execute load and soak tests for Canada's largest bank's **B2B payment applications**, ensuring peak system **performance, scalability, and efficiency**
- Directed team in creating test plans, NFRs, and in-depth analysis to identify bottlenecks in **code, algorithms, and SQL queries**; collaborated with **network, platform, and infrastructure** teams to drive issue diagnosis and resolutions
- Automated performance testing within CI/CD pipeline, boosting **productivity by 40%** and accelerating deployment cycles. **Developed internal tools** in Python and JavaScript, saving 50+ hours monthly in repetitive tasks
- Migrated testing environment from **on-premise to Azure cloud**; implemented **Kibana ElasticSearch** monitoring and **Splunk logging** for 26 servers, enhancing system visibility and issue tracking

Software Engineer, Automation *October 2022 – September 2023*
CGI Toronto, ON
- Collaborated with cross-functional teams on Agile methodologies to define comprehensive test plans, identify test cases and orchestrate client/vendor meetings; **mentored new engineers**, fostering a collaborative and high-performance culture
- **Led development of Selenium WebDriver** automation frameworks using ConformIQ, increasing efficiency by 30% and cross-platform compatibility; raising data precision for Web, Mobile, and Backend tests by 20%
- Developed and maintained automated test scripts to reduce manual testing efforts by 60%, accelerating the testing process and enabling faster release cycles to ensure the **accuracy and efficiency of payment processing systems**
- Stack: Java, Selenium, ConformIQ, HP ALM, MySQL Developer, Postman, Jira, Confluence

Research Assistant - Fullstack Developer *August 2021 – December 2021*
Seneca College Toronto, ON
- Influenced the overall structure of a fintech web application through active participation in **system design and architecture** discussions. Provided valuable insights that contributed to sound decision-making and efficient development practices
- **Developed robust backend functionalities** using JavaScript and Node.js, ensuring efficient data processing, server-side logic, and seamless integration with frontend components. Implemented unit testing for backend modules
- Translated **Figma prototypes into executable code** to construct the application's frontend and **smooth user interface**
- Stack: Node.js, Ethereum, solidity, react, typescript, fastapi, hardhat

Software Developer - Node.js *January 2021 – August 2021*
CGI Toronto, ON
- Worked in an Agile environment using Scrum in collaborating with a team of 8+ people consisting of scrum-master, developers, and testers to provide a building **Web Application for a Class-A Canadian Banks**
- **Updated and upgraded code** from node v8 to node v14 for over 15 microservices, and 12 private packages. Identified and removed legacy code from the project, streamlining the codebase and enhancing overall system efficiency
- Established a **Jenkins-based CI/CD pipeline**, enabling automatic code builds, testing, and deployments. Maintained and updated accurate **internal development documentation**, and created detailed changelogs
- Stack: Node.js, Angular, MySQL, Redis, Bitbucket, JFrog, Jira, pm2, Confluence

PROJECTS

BookMyTicket | TypeScript, React, mongoDB, NATs streaming, Docker, Kubernetes ⌂
- Independently developed an Events management that **served 3 events** to invite, register, and check in **600+ attendees**
- Produced **smooth attendee experience** by following no password policy with magic link sign-in
- Implemented features of QR code check-in, export data to Google Sheets, and payment supported by Stripe payments

AptitudeFlow-api | TypeScript, supertest, jest, mongoDB ⌂
- Developed an API for **streamlined exam creation, organization, and management**, empowering users with efficiency
- Designed to facilitate oauth and jwt sign-in and used advanced queries, schema design,

EDUCATION

Computer Programmer | Seneca College *August 2022 | Toronto, ON*
AWS Developer Associate | Udemy *December 2022 | Toronto, ON*