Rushi Patel

902-809-0051 | rushi.patel@dal.ca | GitHub | LinkedIn

Education

Master of Applied Computer Science   September 2021 – May 2023
Dalhousie University (GPA: 4.25/4.3)   *Halifax, NS, Canada*

Bachelor of Engineering in Computer Engineering   July 2013 – June 2017
Gujarat Technological University (CGPA: 8.09/10)   *Ahmedabad, Gujarat, India*

Technical Skills

Languages: Java, C#, Python, Gherkin, HTML5, CSS3
Frameworks/Libraries: Maven, Quarkus, JPA Hibernate, Spring Boot, Mutiny, gRPC, Spring MVC, BDD Specflow, React.js, Node.js, Material UI, Flask, ASP.NET, Selenium WebDriver, JUnit, NUnit, Mockito
Databases: SQL (MySQL), MongoDB, Firebase, DynamoDB, PostgreSQL
Tools and Technologies: AWS (EC2, Cognito, SNS, SQS, API Gateway, Lambda, S3, Lex, Secret Manager, VPC, RDS Aurora), Azure, RedHat OpenShift, Docker, Helm, JSON, RESTful API, Git, Jira, CI/CD, IntelliJ, VS Code, GCP, Postman, Jenkins, SonarQube, Solace PubSub+, IBM MQ, ArgoCD, JFrog

Experience

IT Developer   Jan 2023 – Present
Canada Revenue Agency   *Halifax, NS, Canada*

- Worked in an **agile** workflow and built a fast and scalable prototype using **Java Quarkus, gRPC, Hibernate Reactive, PostgreSQL, and RedHat OpenShift** which increased the **overall efficiency** of the architecture **by 12%**.
- Developed **Helm charts** to deploy microservices on Red Hat OpenShift, leveraging **Kubernetes** for streamlined deployment and configuration management, optimizing the overall deployment process.
- Created a **Jenkins pipeline** by writing a **Jenkinsfile** that would build, test, and deploy the docker image of the Quarkus application into the Openshift cluster, reducing manual effort by 80%.
- Engineered support for multiple **event brokers (Apache Kafka, IBM MQ, Solace)** with automated configuration replication, enabling **fault tolerance** and uninterrupted service during failures.

QA Engineer   Sept 2020 – Jul 2021
Ness Technologies   *Mumbai, India*

- Configuring **SonarQube** and **SauceLabs** for executing scripts in parallel and cross-browser testing and utilizing SonarQube for automated static code analysis. Wrote efficient code using Selenium to automate test cases.
- Developed a standalone application in Java to compare and list detailed files from different **Amazon S3** servers using **AWS SDK** and generated comparison reports which benefitted the client to make crucial business decisions.

Associate Consultant   Nov 2018 – Sept 2020
Capgemini   *Mumbai, India*

- Designed and implemented the automation framework of Chubb small commercial marketplace application by using **Selenium WebDriver**, **NUnit** in an **agile workflow**.
- Followed agile methodology and implemented clean code practices, **SOLID** principles, and **Test-Driven Development. Improved time efficiency by 30%** to run test suites by converting TDD framework into BDD framework. Appreciated by the client by awarding the Customer Delight Award.
- Utilized **Git** for version control and followed a predefined **GitFlow** for source code management.

Sr. Software Engineer   Oct 2017 – Nov 2018
Capgemini   *Mumbai, India*

- Planned, designed, and developed an application to **enhance the functionalities** of service now application using **Java,** which was later used by the entire team in a financial domain project of Synchrony Financial Bank.
- Responsible for creating controllers and services to get a response using **Spring MVC** Framework and **Hibernate**.
- Deploying the code in the test as well in production environments with an added responsibility to merge the code using **Tortoise SVN/Bitbucket**.

Projects | [More Projects on GitHub]

Igloodoor – Complete Password Security

- Worked in a team of three to plan, design, develop, and deploy a responsive cloud-based web application that handles complete password management that ensures the safest password by increasing the average password security by **65%** in an **agile environment**.
- Responsible for using **AWS services** (**Cloud Formation, Cognito, EC2, S3, VPC, Lambda, RDS, API Gateway**) and responsible to integrate them to run the application on AWS infrastructure.

Multi-Cloud-based Serverless Hotel Reservation System

- Built **serverless** application using a **multi-cloud deployment model**, and backend-as-a-service.
- Used **GCP** as well as AWS services to implement features like room booking, food ordering, review feature, chatbot, chat communication, and application usage analytics to the admins.
- The team implemented services like Cognito, Firebase authentication, DynamoDB, Lambda, Lex, GCP Pub/Sub, GCP AutoML and Elastic BeanStalk to build the application.
- Responsible for developing **API endpoints**, building **Lex chatbot,** and integrating it into the React application.

Certifications [Link]   Achievements [Link]

• Oracle Certified Associate Java Professional	2018		Customer Delight Award – Capgemini	2019
• ITIL Foundation	2018		Rising Star Award – Capgemini	2019
• Emergency First Aid & CPR/AED	2022		Star of the month – Capgemini	2020