

Rushi Patel

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Education

Master of Applied Computer Science
Dalhousie University (GPA: 4.25/4.3)

September 2021 – Expected May 2023
Halifax, NS, Canada

Bachelor of Engineering in Computer Engineering
Gujarat Technological University (CGPA: 8.09/10)

July 2013 – June 2017
Ahmedabad, Gujarat, India

Technical Skills

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

Experience

IT Developer

Canada Revenue Agency

Jan 2023 – Present
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%**.
- Implemented the **Active Record Pattern** by configuring **Quarkus** and **Hibernate Reactive** with **Panache** to significantly reduce repetitive boilerplate code, resulting in a **fivefold decrease in processing time**.
- Created a **Jenkins pipeline** by writing a **Jenkinsfile** that would build, test, and deploy the Quarkus application into the Openshift cluster by creating its **Docker image**, reducing manual effort by 80%.
- Configured **Solace** to create Queues and publish messages to a Topic via Quarkus application using **JMS protocol**.

QA Engineer

Ness Technologies

Sept 2020 – Jul 2021
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 **AmazonS3** servers using **AWS SDK** and generated comparison reports which benefitted the client to make crucial business decisions.

Associate Consultant

Capgemini

Nov 2018 – Sept 2020
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

Capgemini

Oct 2017 – Nov 2018
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.

Achievements [[Link](#)]

- Customer Delight Award – Capgemini 2019
- Rising Star Award – Capgemini 2019
- Star of the month – Capgemini 2020

Certifications [[Link](#)]

- Oracle Certified Associate Java Professional 2018
- ITIL Foundation 2018
- Emergency First Aid & CPR/AED 2022