Rushi Patel

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Education

Master of Applied Computer Science   September 2021 – Expected 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
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   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%**.
- 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   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]

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

Achievements [Link]

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