Rushi Patel

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Education

Master of Applied Computer Science — September 2021 – Expected April 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, Graph DB(Neo4j)
Frameworks/Libraries: Selenium WebDriver, JUnit, NUnit, Springboot, JPA Hibernate, BDD Specflow, Spring MVC, React.js, Node.js, Material UI, Flask, ASP.NET
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

Experience

Teaching Assistant – CSCI 3130 Software Engineering — April 2022 – September 2022
Faculty of Computer Science, Dalhousie University — *Halifax, NS, Canada*
- Involved in the development of new material for department courses by contributing to the creation of appropriate teaching materials to ensure that content and delivery methods satisfy learning objectives.
- Conducted labs for **Test-driven development**, **Solid Principles**, **Design Patterns**, **Code Smells** and **Git workflow** which **impacted more than 60 students** per lab.
- Provided timely and frequent feedback to students, fostering an environment of open communication.

QA Engineer — September 2020 – July 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 report which benefitted the client to make crucial business decisions.

Associate Consultant — November 2018 – September 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** branching strategy for source code management.

Sr. Software Engineer — October 2017 – November 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 response using **Spring MVC** Framework and **Hibernate**.
- Deploying the code in 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 these services to run the application on AWS infrastructure.

Smarticle – Smart Article Application
- Led an agile team to plan, design, develop and deploy a responsive web application that lets users to create, display, follow articles based on users' preference using **Springboot**, and **JPA Hibernate**.
- Built **RESTful APIs** to interact with Twitter to get real time tweet data of the articles using **Twitter 4j** and utilized **JWT** for user authentication.
- Created and maintained integration pipeline in **Heroku** and **GitHub** for **CI/CD**. Managed source code using **Git version control** and adhered **Git Flow** branching strategy for on-time release.

Multi-Cloud based Serverless Hotel Reservation System
- Built **serverless** application using **multi-cloud deployment model**, and backend-as-a-service (BaaS).
- 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 the bot in the react application.

Achievements [Link]

- Customer Delight Award – Capgemini — 2019
- Rising Star Award – Capgemini — 2019
- Star of the month – Capgemini — 2020
- University Champion – Table Tennis — 2013-2015
- State Champion – Table Tennis — 2014-2015
- College Champion – Soccer — 2014-2017

Certifications [Link]

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