

# Riya Patel

## FullStack Developer

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### 🧠 SKILLS

#### Programming language

Java, Python, TypeScript, JavaScript.

#### Web Technologies

React.js, Node.js.

#### Database Management

Postman, SQL, MySQL, NoSQL.

#### Automation Tools

Docker, GitLab CI/CD, BitBucket CI/CD, Splunk, Cypress, Terraform, Kubernetes.

#### Methodologies

Agile methodology, Design Patterns.

#### Cloud Infrastructure

AWS, Firestore, OCI.

#### Methodologies

Agile, Scrum, Continuous Integration, Requirements Gathering.

#### Soft Skills

Communication, Teamwork, Problem-Solving, Adaptability, Time-Management

### 🎓 EDUCATION

#### Masters in Applied Computer Science

Dalhousie University

GPA: 3.78/.3

09/2022 – 05/2024 | Halifax, NS

### 💼 EMPLOYMENT

#### Full Stack Developer (Freelance)

Freelance

Volunteer Work

- Defined project architecture, including backend development with Spring Boot (Java) and database selection. Planned API endpoints and implemented JWT-based authentication for secure user access. Conducted end-to-end tests with Cypress to ensure the functionality and reliability of features such as sign-in/signup and group creation.
- Designed user-friendly and responsive UI, gathering and analyzing requirements to determine the scope, features, and functionality of the bill management system.
- Developed and managed the BillSync web application, which facilitates bill and household expense splitting, in collaboration with three developers.

01/2025 – 09/2025 | Toronto, Canada

#### Cloud Analyst Intern

Vosyn

- Integrated Java microservices with GCP-hosted AI APIs.
- Automated GCP infrastructure provisioning using Terraform for consistent deployments.
- Standardized cloud documentation improving operational efficiency.
- Led FinOps initiative reducing monthly cloud spend by 15%.
- Supported MLOps lifecycle for AI-driven Java applications.

09/2024 – 12/2024 | Ontario, Canada

#### IT Analyst Co-op

Scotia Investments

- Implemented a system entry log app using Microsoft Power Apps for Scotia Recycling under Scotia Investments Ltd for replacing the paper-pen system resulting in reduced human error.
- Automated data collection workflows to streamline internal processes and reduce manual effort for recycling operations. This involved using Power Automate to capture recycling details, including images of recycled items, and centrally storing all data in a SharePoint database.
- Utilized Power Automate Flow to automatically convert the above uploaded image from various formats (such as JPG and HEIC/HEVC) into a Base64 string.
- Redesigned and updated the Minas Energy website, modernizing its structure and content to align with current industry trends. Migrated from a local server to Azure, improving scalability, security, and performance.

01/2024 – 05/2024 | Halifax, Canada

#### Software Developer

Parikh Enterprise Pvt Ltd

- Developed and integrated an automated inquiry management system, reducing manual intervention by 3% and improving response efficiency through streamlined workflows.
- Optimized backend performance by refactoring legacy Java code, enhancing loop efficiency, and minimizing memory usage, leading to a 5% increase in execution speed.
- Added secure role-based authentication using Spring Security and JWT, ensuring controlled access and safeguarding sensitive data. Worked closely with the Manager of the Manufacturing Unit to oversee and enhance the inquiry management system, ensuring seamless operations and efficient request handling.
- Designed efficient PostgreSQL schemas with normalized tables and constraints to ensure data integrity and ACID Properties under heavy transactional loads.
- Created reusable React components following component-based architecture principles for faster development purpose and less code redundancy.
- Troubleshoot and resolved Docker configuration issues during deployment for less image sizing saving bootup time and gained experience testing asynchronous API endpoints and React components for code smells.

01/2022 – 11/2022 | Jhagadia, India

#### Python Web Developer Intern

Cromoson Technologies

- Designed, developed, and documented RESTful API endpoints using the Django REST Framework (DRF) to drive critical data services for the internal CRM application.

05/2021 – 08/2021 | Ahmedabad, India

- Managed and maintained the PostgreSQL database schema and data integrity. Focused on performance tuning, successfully optimizing complex SQL queries which resulted in a 20% reduction in average data retrieval time for key business reports.
- Wrote clean, production-ready Python code to implement new business logic and features within the Django backend, ensuring reliability and scalability for internal users.
- Collaborated with front-end developers to integrate new APIs, ensuring seamless data flow and responsiveness across the entire application stack.
- Utilized Git for collaborative development, managing branching, merging, and pull requests to maintain code base integrity in an Agile environment.

## ★ PROJECTS

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### Hurricane Fiona Power Restoration Path Optimization

Course: *Software Development Concepts*

- Developed an optimized path-planning system for Nova Scotia Power to restore electric poles damaged by Hurricane Fiona.
- Implemented Dijkstra's algorithm and Minimum Spanning Tree (MST) using Prim's algorithm to determine the shortest and most efficient repair routes, minimizing fuel consumption, equipment usage, and redundant travel.

Framework: Core Java, DSA.

### Brownie Point

Course: *Advance Software Development Concepts*

- Android application implemented with best practices like SOLID principles and Code Smells that reduced loading times by 25%, enabling a more seamless experience for students accessing the course materials.
- Executed automated regression tests using JUnit, ensuring consistent performance and cutting testing cycle time by 0% across updates.

Framework: React JS, Java SpringBoot.

### CineVerse

Course: *Advance Web Technologies*

- Innovated a Movie Ticket Booking System featuring 'Movie Description' and 'Party Module' functionalities, enhancing the booking experience and driving a 20% increase in repeat bookings.

Framework: MERN.

### Weather Alert App

Course: *Advance Cloud Computing*

- Architected a scalable weather alert system on AWS, integrating services like SQS, SNS, and Lambda; increased user engagement by 25% and dropped alert delivery latency by 50%.
- Conducted integration testing across AWS services (Lambda, EC2, API Gateway, S3) to validate seamless data flow, ensuring 100% alert delivery under peak conditions.

Framework: Lambda, EC2, API Gateway, S3, SNS.

## 📜 CERTIFICATES

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Oracle Cloud Infrastructure 2025 DevOps Professional (1Z0-1109-25)

Oracle Cloud Infrastructure 2025 Multicloud Architect Professional (1Z0-1151-25)