Riya Patel

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💬 SKILLS

Programming language
Java, Python, TypeScript, JavaScript.

Database Management
Postman, Oracle PL/SQL, MySQL, NoSQL.

Methodologies
Agile methodology, Design Patterns, Scrum, Requirements Gathering.

Soft Skills
Listening, Communication, Teamwork, Adaptability, Time-Management

Web Technologies
React.js

Automation Tools
Docker, GitLab CI/CD, BitBucket CI/CD, Splunk, Cypress, Terraform.

Cloud Infrastructure
AWS, Firestore, OCI.

💼 EMPLOYMENT

Full Stack Developer
Freelance
01/2025 — 09/2025

- 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.

Cloud Analyst
Vosyn
09/2024 — 12/2024

- Connected Java microservices directly to GCP-hosted AI APIs, enabling real-time intelligent features within the application architecture.
- Supported team in GCP infrastructure as code using Terraform, cutting deployment setup time and ensuring consistent, repeatable cloud environments.
- Simplified and standardized all cloud documentation, which increased operational efficiency for the support team.
- Launched a FinOps initiative focused on cloud resource optimization, successfully cutting the overall monthly cloud spend by 25% with teamwork.
- Supported the MLOps lifecycle for AI-driven Java applications, acting on failed data loads and quickly fixing data quality errors to keep the training pipelines running and ensure models received reliable input data.

IT Analyst Co-op
Scotia Investments
01/2024 — 05/2024

- 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.
- Acted as the primary liaison between internal stakeholders and the development team, leading requirements gathering sessions and driving all solution-design discussions for new applications.
- 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 Base6 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.

Software Developer
Parikh Enterprise Pvt Ltd
01/2022 — 11/2022

- Developed and integrated an automated inquiry management system, reducing manual intervention and improving response efficiency through streamlined workflows.
- Optimized backend performance by refactoring legacy Java code, enhancing loop efficiency, and minimizing memory usage, leading to 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 Oracle SQL schemas, focusing on data modeling (normalized tables, constraints). Wrote and optimized high-volume stored procedures and functions (PL/SQL), significantly improving query speed and guaranteeing data integrity (ACID properties) for core data transactions.
- Created reusable React components following component-based architecture principles for faster development purpose and less code redundancy.
- Troubleshot 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.

Web Developer
Cromoson Technologies
05/2021 — 08/2021

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

- Managed the PostgreSQL database schema. Rewrote slow SQL queries supporting Business Intelligence (BI) reports, reducing their average data retrieval time by up to 40% through indexing and execution plan analysis.
- 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

Hurricane Fiona Power Restoration Path Optimization
- 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
- 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
- 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
- Architected a scalable weather alert system on AWS, integrating services like SQS, SNS, and Lambda; increased user engagement and dropped alert delivery latency.
- Conducted integration testing across AWS services (Lambda, EC2, API Gateway, Snowflake) to validate seamless data flow, ensuring alert delivery under peak conditions.
- Utilized Snowflake for cost effecient data warehousing of alert log.
Framework: Lambda, EC2, API Gateway,Snowflake, SNS.

📑 CERTIFICATES

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

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

🎓 EDUCATION

Masters in Applied Computer Science
Dalhousie University
GPA: 3.78/4.3

Bachelor of Technology (BTech) in Information Technology
Indus University
GPA: 4.07/4.3