

Parth Modi

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EXPERIENCE

CGI

Sep 2024 – Dec 2024

Digital Technological Consultant – Co-Op

Truro, Canada

- Collaborated with Millbrook First Nations' Heritage Center to redevelop their website and transition paper-based records to digital formats.
- Translated complex processes into streamlined, user-friendly workflows aligned with client needs, conducted requirement gathering, performed gap analysis, and created comprehensive documents including feature list and scope definition to streamline user workflows and meet client needs.
- Researched different database solutions (Microsoft Access, SQL, NoSQL) and evaluated SaaS and Microsoft Power Platform options, providing technical recommendations and accurate effort estimations.

Thomson Reuters

Dec 2021 – Aug 2023

Associate Software Engineer

Ahmedabad, India

- Developed and implemented new features for Onvio (web product) using Angular, MySQL, and AWS, and Ultratax (desktop product) using C++, significantly improving functionality and reducing the product backlog by 15%..
- Implemented extensive unit test suites with Jasmine, achieving 88% code coverage and ensuring robust validation of key features, contributing to the delivery of production-ready code.
- Optimized PowerShell scripts for Azure DevOps releases, reducing manual workload by 40% and streamlining Continuous Integration processes.
- Collaborated in agile cross-functional teams, conducted thorough code reviews, debugged critical issues, and provided technical support and mentorship to team members.

Zealous System

Nov 2020 – Dec 2021

Business Analyst

Ahmedabad, India

- Collaborated with clients and stakeholders to gather and analyze business requirements, define project scope, and prepare comprehensive technical and non-technical documentation, reducing misunderstandings by 25%.
- Independently led a team of 5 members through multiple projects from inception to delivery, managing both technical and business aspects, ensuring on-time completion and achieving a 20% increase in client satisfaction.
- Designed wireframes and assisted development, QA, and management teams by facilitating client communication and aligning technical deliverables with business requirements.

SKILLS AND CERTIFICATIONS

Certifications: AWS Certified Cloud Practitioner, AWS, January 2024. [🔗](#)

Programming Languages: Java, Javascript, Typescript, Python, C++.

Full Stack: HTML5, CSS, React, Angular, NodeJS, Spring Boot, SQL, Flask, REST APIs.

Testing and Automation: JUnit, Mockito, Jasmine, Jest, Microsoft Power Automate, Selenium.

Cloud and DevOps: Amazon Web Services, Google Cloud, Azure DevOps, Jenkins, Cloud Formation, Terraform, Microservices, Git, GitHub, Docker, Kubernetes, CI/CD, Jira.

Databases: MySQL, PostgreSQL, MongoDB, Firestore, DynamoDB, GraphQL.

PROJECTS

DalVacationHome [🔗](#) — Serverless hotel booking solution leveraging AWS and GCP services.

AWS (Lex, Cognito, Lambda, DynamoDB), GCP (PubSub, Looker Studio, Cloud Deployment Manager), Serverless Architecture.

- Developed a virtual assistant using AWS Lex to handle customer queries, assist in site navigation, and real-time chat between customers and property agents, leveraging serverless architecture for a scalable and efficient backend.
- Enhanced system security by implementing 3-factor authentication, including userID/password, security questions, and Caesar cipher, ensuring protection for user data.

TradeCards [🔗](#) — A dynamic platform for distributing, trading, and managing coupons.

Java, Spring Boot, JUnit, React, Docker, Kubernetes, CICD, Firebase, MySQL

- Led back-end development for the TradeCards project using Spring Boot to develop REST APIs and MySQL for database management, while developing responsive front-end designs with React.
- Simplified deployment processes by utilizing Docker and Kubernetes for CI/CD automation, ensuring efficient workflows, and implemented Test-Driven Development practices to maintain high code quality and reliability.

GenuineFeedback [🔗](#) — A real-time platform for collecting and analyzing feedback from users.

Next.js, MongoDB, Mongoose, React, Node.js, shadcn, Vercel

- Developed a secure feedback platform with NextAuth for user authentication, 2-factor authentication via email, and robust data validation using Zod.
- Utilized MongoDB with Mongoose for efficient database management and implemented a modern UI using ShadCN components for a seamless user experience.
- Ensured application reliability and maintainability by writing unit tests with Jest, achieving 86% test coverage and optimizing the full-stack application for performance and scalability.

EDUCATION

Dalhousie University

Sept 2023 - Dec 2024

Master of Applied Computer Science (GPA: 4.17/4.3)

Halifax, Canada

Gujarat Technological University

Aug 2016 - Aug 2020

Bachelors of Computer Engineering (CGPA: 8.58/10)

Ahmedabad, India