

Parth Modi

☎ 782-882-7876

✉ parth.modi@dal.ca

🌐 [linkedin.com/in/pmodi1080](https://www.linkedin.com/in/pmodi1080)

🐙 github.com/mparth14

☁ mparth14.github.io

EDUCATION

Dalhousie University

Master of Applied Computer Science (GPA: 4.2/4.3)

Sept 2023 - Jan 2025

Halifax, NS, Canada

Gujarat Technological University

Bachelors of Computer Engineering (CGPA: 8.58/10)

Aug 2016 - Aug 2020

Ahmedabad, GJ, India

TECHNICAL SKILLS & CERTIFICATIONS

Certifications: AWS Certified Cloud Practitioner, AWS, January 2024 [🔗](#), Machine Learning, Stanford University, March 2019 [🔗](#)

Programming Languages: Java, Golang, JavaScript, Python, SQL, C, C++, HTML, CSS.

Frameworks and Technologies: Spring MVC, Spring Boot, NextJS, React, Spark, Angular, Express, Node.js, Webpack.

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

Cloud and DevOps: Amazon AWS, Google GCP, Azure DevOps, Jenkins, CloudFormation, Terraform, GitHub Actions, Microservices, Maven, Git, Docker, Kubernetes, CI/CD.

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

Development Practices and Tools: Collaboration and Teamwork, Verbal communication skills, Attention to detail, Problem-Solving, Continuous Improvement, IntelliJ, VS Code, Eclipse, MS Office, Linux, Bash, Operating Systems.

EXPERIENCE

CGI and Dalhousie University

Sep 2024 – Present

Digital Technological Consultant – Co-Op

Halifax, NS, Canada

- Maintain strong client relationship with Millbrook First Nation for the development of a educational solution.
- Translated complex processes into streamlined, user-friendly workflows aligned with client needs, and provided accurate effort estimations.
- Evaluated alternative SaaS solutions and Microsoft solutions like Power Platform to perform comprehensive research and analysis of technical options.

Thomson Reuters

Dec 2021 – Aug 2023

Associate Software Engineer – Full Time

Ahmedabad, GJ, India

- Developed and implemented new features for Onvio and Ultratax. Used C++, Angular, MySQL query and AWS significantly enhancing system functionality, performance, reducing the product backlog by 15%. Implemented extensive automated testing with unit tests suites with Jasmine to ship production ready code, boosting code coverage to an 88% ensuring validation of key features.
- Developed and optimized PowerShell automation scripts for Continuous Integration, reducing 40% manual workload.
- Collaborated in agile cross functional engineering teams and conducted thorough code reviews and offered effective solutions for identified issues through debugging, while providing support and guidance to team members.

Zealous System

Nov 2020 – Dec 2021

Business Analyst – Full Time

Ahmedabad, GJ, India

- Collaborated with clients and stakeholders for business requirement gathering and analysis, defining the scope of work for new projects and reducing misunderstandings by 25%.
- Independently managed several projects from end to end in both technical and business aspects, ensuring timely delivery and achieving a 15% increase in client satisfaction.

PROJECTS

DalVacationHome [🔗](#)

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

- Implemented a virtual assistant using AWS Lex to handle customer queries, navigate the site, and facilitate communication between customers and property agents.
- Implemented 3-factor authentication, including userID/password, security questions, and Caesar cipher for enhanced security.
- Utilized serverless architecture to create a scalable, efficient back-end system that handled data processing on demand.

TradeCards [🔗](#)

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

- Worked as full-stack developer by leading the back-end development for TradeCards project, leveraging Spring Boot to architect robust REST APIs and utilizing MySQL for database management. Used React for frontend development.
- Applied principles of Test-Driven Development by implementing comprehensive unit testing procedures to have value-driven outcomes and ensure code quality and reliability throughout the development lifecycle.
- Utilized Docker and Kubernetes for containerization and orchestration of CI/CD pipeline in deployment processes, contributing to enhanced efficiency and automation.

Note9 [🔗](#)

React, Docker, AWS (EC2, DynamoDB, S3, AppSync, CloudFormation, API Gateway, Cognito)

- Designed and developed a scalable, software architecture with serverless framework for a note-taking application using React, hosted on AWS EC2 instances to ensure high availability and performance.
- Integrated AWS DynamoDB as a NoSQL database for schema for storing notes, AWS S3 for secure and reliable image storage, and AWS AppSync for managing real-time data queries and subscriptions through GraphQL APIs.
- Utilized AWS Cognito for robust user authentication and authorization, enabling secure user sign-ups, logins, and access control.
- Designed and deployed the entire infrastructure using AWS CloudFormation, ensuring automated and consistent provisioning of AWS resources across multiple environments.