Parth Pinakin Modi

📞 782-882-7876 ✉ parthmodi@dal.ca 🔗 linkedin.com/pmodi1080 🔗 github.com/mparth14

Education

Dalhousie University | Sept 2023 - Apr 2025
Master of Applied Computer Science (GPA: 4.15/4.3) | *Halifax, NS, Canada*
Coursework: Advanced Topics in Software Development, Advanced Cloud Architecture, Cloud Computing, Advanced Web Services, Serverless Data Processing, Data Warehousing and Analytics.

Gujarat Technological University | Aug 2016 - Aug 2020
Bachelors of Computer Engineering (CGPA: 8.58/10) | *Ahmedabad, GJ, India*
Coursework: Data Structures, Analysis and Design of Algorithms, Database Management Systems, Advanced JAVA, Python Programming, Artificial Intelligence.

Experience

Thomson Reuters | Dec 2021 – Aug 2023
Associate Software Engineer | *Ahmedabad, GJ, India*
- Developed and implemented new features for a beta product using Angular and C++, significantly enhancing system functionality and performance.
- Authored comprehensive unit tests using Jasmine and Jest to ensure code quality and maintainability.
- Developed and optimized PowerShell automation scripts for Azure DevOps, reducing manual workload by 40%.
- Enhanced system functionality by rectifying multiple bugs, errors, and inefficiencies while optimizing codebase to boost performance by 30%.
- Conducted thorough code reviews and offered effective solutions for identified issues, while providing support and guidance to colleagues.

Zealous System | Nov 2020 – Dec 2021
Business Analyst | *Ahmedabad, GJ, India*
- Collaborated with clients and stakeholders to gain an in-depth understanding of critical business requirements.
- Defined detailed scope of work for new projects, documented the change history and communicated with stakeholders to make sure everyone is on the same page, reducing project misunderstanding by 25%. Created wireframes using Balsamiq to explain system flow to developers and analysts.
- Independently managed few projects from end to end ensuring timely delivery resulting in a 15% increase in client satisfaction.

Technical Skills

Languages: JavaScript, TypeScript, Java, Python, C++, HTML, CSS.
Framework & Libraries: React, Angular, Spring Boot, REST API, Node.js, Powershell, Django, Jest, Jasmine, Express.js, JUnit, jQuery, Bootstrap, WordPress, YAML.
Databases: MySQL, MongoDB, PostgreSQL.
Cloud & DevOps Technologies: Docker, Kubernetes, AWS (EC2, S3, IAM, DynamoDB, RDS, AppSync, API Gateway, Lex, Cognito, Lambda), GCP (Kubernetes Engine, Cloud Run, Cloud Build), Terraform, Azure DevOps, Power Automate, Git.

Projects

TradeCards | *Java, Spring Boot, jUnit, React, Docker, Kubernetes, CI/CD, Firebase and MySQL.* 🔗

- Spearheaded backend development for TradeCards project, leveraging Spring Boot to architect robust REST APIs and utilizing MySQL for database management.
- Implemented comprehensive unit testing procedures to 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 and Cognito.* 🔗

- Developed a notes application using React for the frontend and hosted it on AWS EC2 instances.
- Leveraged various AWS services including DynamoDB for database storage, S3 for image storage, and AppSync for GraphQL APIs.
- Implemented Infrastructure as Code using AWS CloudFormation for resource provisioning.

QuickHire | *React, Material UI, Express, MongoDB and Stripe.* 🔗

- Developed front end and back end for QuickHire platform, using React for the front end and Express for the back end.
- Implemented APIs to interact with MongoDB database to store and retrieve data.
- Integrated Stripe for payment gateway, enabling secure payment transactions on the platform.

Certifications

AWS Certified Cloud Practitioner, AWS, January 2024 🔗
Machine Learning, Stanford University, March 2019 🔗
Programming, Data Structures and Algorithms using Python, IIT Madras, September 2018