Parth Pinakin Modi

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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 web product called Onvio using Angular, Jasmine, MySQL, GraphQL and AWS significantly enhancing system functionality and performance.
- Contributed to the development and maintenance of Ultratax, a desktop product, using C++ where I was able to improve the product load time by 30%, reducing it to 35ms.
- Implemented extensive unit and end-to-end (E2E) test suites with Jest, boosting code coverage to an impressive 88% and ensuring thorough validation of key functionalities.
- Developed and optimized PowerShell automation scripts for Azure DevOps, reducing manual workload by 40%.
- 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: Java, JavaScript, 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.
Other: Full Stack Developer, Microservices, SDLC, Agile, Data Structures and Algorithm

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