KETUL PATEL

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Education

Dalhousie University   **January 2022 – September 2023**
Masters of Applied Computer Science   *Halifax, Nova Scotia*

Dharmsinh Desai University   **August 2017 – May 2021**
Bachelor of Technology in IT Engineering   *Nadiad, Gujarat*

Technical Skills

Languages: Java, J2EE, JavaScript, TypeScript, Python, PHP, C, C++, HTML5, CSS
Frameworks/Libraries: Spring, Spring Boot, Spring MVC, ReactJS, AngularJS, VueJS, NodeJS, Django, Flask, jQuery
Databases: MongoDB, Oracle, MySQL, PostgreSQL, Firestore, DynamoDB, GraphQL
Software Design Concepts: Design Patterns, Test-driven Development, SOLID Principles, Software Development Lifecycle, Object-oriented programming, Data Structure and Algorithm, Agile Development, Waterfall Development
Version Control: GitHub, GitLab, Jira, Jenkins, Kubernetes
Testing : Log4j, Mockito

Experience

MOBIA Technology Innovations | *Java, SpringBoot, TypeScript, AngularJS, MongoDB* **May 2023 – September 2023**
Junior Developer   *Halifax, Nova Scotia*
- Worked on the website for GE Aviation built using micro-service architecture to handle manuals related to various Aircraft for different sites.
- Assisted to optimize the performance of the application to be able to manage and maintain vast volumes of manuals, resulting in a decline in load time from 10 seconds to 2 seconds.
- Built a user-friendly interface to improve the user experience that allowed users easy navigation and efficient access to critical information.

Cerebulb India Private Limited | *Python, Django, JavaScript, jQuery, PostgreSQL* **December 2020 – March 2021**
Python Developer   *Gandhinagar, India*
- Implemented web application utilizing the Django framework to detect anomalies.
- Deployed image identification algorithm Neural Networks to identify anomalies leveraging real-time data received from the sensors.
- Delivered a graph-based interactive admin dashboard accessible for clients to ensure that they could access real-time sensor data.

Projects

Library management system | *Java, Spring Boot, Maven, Spring Security, Thymeleaf, Hibernate, MySQL, Junit, Log4j*
- Website designed to offer basic library features of issuing, returning, adding, updating, and deleting any book.
- Presented graphs to clients for analytical purposes that included information on the number of books issued each month, the sorts of books issued, and the most profitable books.
- Acquired proficiency in test-driven development, agile methodology, SOLID Principles, design patterns, GIT workflow, and CI/CD pipeline.

CineScope | *TypeScript, ReactJS, ExpressJS, NodeJS, ChakraUI, MongoDB, REST, Netlify, Render, Postman*
- Developed an IMDb-inspired website to explore technologies in web development, resulting in a comprehensive platform for users to explore and discover movies, TV shows, and related information.
- Created a customized recommendation system that offers customers personalized movie and TV program recommendations based on their viewing interests and history.
- Optimized user-friendly interfaces and intuitive search functionality to enhance the user experience and facilitate seamless navigation through the website's extensive movies and TV series database.

Multi-Cloud based Serverless Food Delivery System | *Python, VueJS, NodeJS, AWS, GCP*
- Led the development and deployment of a cutting-edge multi-cloud-based serverless food delivery system, leveraging the power of cloud platforms AWS and Google Cloud.
- Incorporated features such as real-time order tracking, push notifications, and customer feedback mechanisms, enhancing user engagement and satisfaction.
- Employed continuous integration and continuous deployment (CI/CD) practice using AWS CodeStar to automate build, test, and deployment processes.

Certificates

AWS Certified Developer - Associate (DVA-C02)   **June 2023 – June 2026**

AWS Certified Cloud Practitioner (CLF-C01)   **April 2023 – June 2026**