Viral Siddhapura

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EDUCATION

Dalhousie University	**Halifax, Canada**
Master of Applied Computer Science	*Aug 2022 - Dec 2023*
Institute of Technology, Nirma University	**Ahmedabad, India**
B.Tech in Information Technology	*July 2016 - May 2020*

TECHNICAL SKILLS

Languages	Java, JavaScript, TypeScript, Python, C, C++, HTML5, CSS
Frontend	ReactJS, AngularJS, VueJS, NextJS, jQuery
Backend	NodeJS, ExpressJS, BunJS, SpringBoot, Flask, Django
Database	MongoDB, Oracle, MySQL, PostgreSQL, FireStore, GraphQL
Cloud	Amazon Web Services, Google Cloud Platform, Docker, Kubernetes, Netlify, Vercel
Tools	Git, Jira, Postman, BitBucker, PowerBI
Concepts	Design Patterns, SOLID Principles, Object-oriented programming, Data Structure, and Algorithm
Certificates	AWS Cloud Practitioner, Azure Cloud Fundamentals

WORK EXPERIENCE

Full Stack Developer | ReactJS, TypeScript, NodeJS, ExpressJS, Tailwind CSS   **Halifax, Canada**
Persuasive Computing Lab   *Sep 2023 - Present*
- Created a healthcare-responsive web application focusing on patients' vital signs and adverse drug reactions to medicines.
- Enhanced caching mechanism for faster database operations using Redis, reducing website crashing times up to 17%.
- Proposed solutions for Authentication and Authorization using OAuth2.0 to ensure security standards for end users.

Software Development Engineer | Python, JavaScript, AWS, ReactJS, NodeJS, DynamoDB   **GIFT CITY, India**
Bank of America Corporation   *July 2020 - Sep 2022*
- Built Python-based online loan system on AWS for 213,000 clients, ensuring scalability and zero downtime.
- Scheduled batch programs via REST APIs for trading event emails and automated PostgreSQL operations with optimized SQL scripts for 357,600 users.
- Designed Instinct Foreign Exchange platform UI with ReactJS, styled components, modular CSS, lazy loading, and routing for 63% faster page rendering.
- Spearheaded a team of 9 developers, to solve nonfunctional elements, architectural direction, and improve the code quality.

Android Software Developer | Java, Kotlin, Gradle, Android Studio, REST APIs   **Ahmedabad, India**
GlobalIT InfoSolutions Pvt Ltd   *Dec 2019 - Jun 2020*
- Co-developed a mobile app inspired by CRM, managing highly confidential user data including personal and financial details
- Optimized pagination module in mobile applications, slashing page load latency by 47% for server response data.
- Migrated build tool from Maven to Gradle for a class management app, achieving 30% faster unit testing and code delivery.

PROJECTS

Classmate | TypeScript, ReactJS, NodeJS, ExpressJS, ChakraUI, MongoDB, REST, Netlify, Render, Postman
- Designed & Developed a client-facing UI for a Learning Management System that aids in refining assignment submissions, course quizzes, and grade tracking to foster interactive student-professor communication.
- Applied page optimization techniques to significantly reduce page load time by 37% resulting in seamless navigation of the website using React.js

Serverless Trivia Game | Python, JavaScript, ReactJS, NodeJS, AWS, GCP
- Led and Designed an online multiplayer trivia game with intuitive lobbies and Amazon Lex Chatbot team communication.
- Analyzed game results and leaderboard data among teams using Power BI tools like Looker Studio and QuickSight.
- Implemented scalable Notification feature using SQS, REST APIs & Lambda functions, cutting code redundancy by 47%.

Just Order | Python, AWS (S3, DynamoDB, Textract, Lambda, API Gateway), Postman
- Developed an AI app that automates grocery ordering by extracting grocery lists from handwritten notes, cutting an ordering time by 45%
- Introduced Cloud Formation technique, to manage AWS resource programmatically, minimizing human errors and resulting in faster development.