Vikalp Gandha

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SUMMARY

Innovative Software Developer with 2 years of expertise in blockchain technology and cloud-based application development. Successfully developed a real-time car diagnostics app, optimized blockchain transaction processes, and published SaaS APIs on Azure, achieving seamless integration and enhanced system reliability. Seeking challenging opportunities to leverage skills in Node.js, TypeScript, and Rust to drive technological advancements and deliver cutting-edge solutions.

EXPERIENCE

Software Developer

Clementius LLP   **January 2023 - Present, Ahmedabad, Guajarat**

· Solely Developed a real-time car diagnostics app using React Native that reads and displays speed and RPM in real-time, utilizing a Bluetooth OBD II adapter.
· Published client APIs as SaaS on Azure Marketplace using Azure Serverless functions and Subscription Fullfillment APIs.
· Actively participated in Hyperledger Besu private blockchain implementation with QBFT consensus.
· Deployed and managed backend and frontend applications on cloud platforms, including DigitalOcean and Vultr.
· Implemented a Bitcoin Inscription Flow demonstration with ReactJS and NodeJS, leveraging ord library to prototype blockchain transaction processes.
· Developed and deployed a Solana Anchor smart contract for token staking in Rust, handling Stacking of SPL tokens, rewards distribution, with rigorous testing on Solana's Devnet to ensure reliability and security.

PROJECTS

Simple Git CLI

github.com/kakkarot9712/simple-git-go · September 2024 - November 2024
· Built a simplified version of Git to understand version control system mechanics.
· Learnt about SHA-1 hashing and its use in object identification and storage within Git's internal data structures like Blob Objects, Tree Objects, Commit Objects.
· Implemented support for basic command like init, cat-file, hash-object, ls-tree, write-tree, commit-tree and clone.
· Learned about Packfile compression format while implementing clone command.

Personal Telegram Bot

github.com/kakkarot9712/personal_tgbot · May 2024 - July 2024
· Developed a personal Telegram bot using Rust and the Teloxide library for automating and enhancing various personal tasks.
· Implemented an expense tracking feature to log and categorize personal expenses efficiently through simple commands.
· Utilized Rust's concurrency capabilities to ensure the bot handles multiple tasks and user requests efficiently.
· Ongoing development includes plans to add more personalized tools and features for enhanced functionality and bug fixes to current features.

EDUCATION

Bachelor of Engineering in Mechanics

Gandhinagar Institute of Technology · Ahmedabad, Gujarat · 2019 · 8.09

CERTIFICATIONS

Node.js, Express, MongoDB & More: The Complete Bootcamp (Udemy)

Udemy · 2023
· Gained hands-on experience in building full-stack applications using Node.js, Express, and MongoDB, understanding end-to-end development processes.
· Developed a solid foundation in backend technologies, including RESTful APIs, routing, middleware, and request handling in Express.
· Learned how to design, connect, and manage databases with MongoDB, gaining skills in data modeling, CRUD operations, and query optimization.
· Gained knowledge in implementing secure user authentication and authorization mechanisms, essential for developing protected web applications.
· Improved proficiency in JavaScript asynchronous programming, mastering promises, async/await, and error handling crucial for real-world applications.

React - The Complete Guide (Udemy)

Udemy · 2022
· Gained a solid understanding of managing state and props, enabling efficient data handling and component communication within complex applications.
· Gained a solid understanding of managing state and props, enabling efficient data handling and component communication within complex applications.
· Mastered React Hooks (like useState, useEffect, useContext) for functional components, improving code simplicity and logic separation.
· Learned to implement dynamic navigation using React Router, creating single-page applications with smooth user experiences.
· Learned techniques for optimizing React applications, including lazy loading, code splitting, and avoiding unnecessary re-renders.
· Gained experience in global state management with Context API and Redux, enhancing the scalability of applications with complex state requirements

SKILLS

Node.js, Rust, Golang, React.js, Next.js, JavaScript, TypeScript, Solidity, React Native, Serverless Fucntions, Docker