Vikalp Gandha

Software Engineer

Fullstack Developer with over 2 years of experience in full-stack development, specializing in backend technologies. Proficient in ReactJS, Next.js, Node.js, Ethereum blockchain development, Solana Blockchain Development and GPT AI-related libraries such as Langchain. Currently learning Go and exploring other backend languages. Passionate about building scalable and efficient backend systems.

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○ github.com/kakkarot9712

WORK EXPERIENCE

Software Engineer
Clementius LLP

01/2023 - 09/2024   *Ahmedabad, Gujarat*
Achievements/Tasks

- 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.
- Created LangChain-based document chat app for contextual question-answering.
- 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.
- Developed POC to impliment Bitcoin Inscription Flow using ReactJS, NodeJS and ord library.

PERSONAL PROJECTS

Personal Telegram Bot (05/2024 - 07/2024) ⬈
- 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.

Simple Git CLI (09/2024 - 09/2024) ⬈
- 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.

EDUCATION

Bachelor of Engineering
Gujarat Technological University

08/2015 - 06/2019   *CGPA: 8.09*

SKILLS

NodeJS | ReactJS | Go | React Native | NextJS | TypeScript | Azure Serverless Fucntions | Rust | JavaScript | Python | Angular | C | Solidity | Docker

CERTIFICATES

Node.js, Express, MongoDB & More: The Complete Bootcamp (Udemy) (12/2020 - 03/2023) ⬈

React - The Complete Guide (Udemy) (10/2022 - 12/2022) ⬈

Fundamentals of Backend Engineering (Udemy) (03/2024 - 04/2024) ⬈

The Complete JavaScript Course 2024: From Zero to Expert! (Udemy) (06/2022 - 12/2022) ⬈

Fundamentals of Operating Systems (Udemy) (08/2024 - 09/2024)

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency

Gujarati
Native or Bilingual Proficiency

INTERESTS

Enjoys reading scientific books

Explores new technologies to stay informed.

Love to learn about how computers work, particularly from a software perspective.

Tinkering with Android, including using custom OSes and delving into internal workings of it.