

Harsh Rastogi

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EXPERIENCE

SDE II

Oct 2023 – Present

MOI Protocol

Bangalore, KA

- Designed real-time interaction updates eco system in **MOI Voyage**, a first for any protocol.
- Enhanced **JS-MOI-SDK** library, enabling seamless integration of dApps with the MOI protocol and simplified the development process for 100+ developers.
- Developed **CipherNode**, an optimized system for hosting validator nodes, reducing time by 80-93% (30 minutes to 1-2 minutes), boosting user base by 20%.

Programmer Analyst

Aug 2022 - Oct 2023

Cognizant Technology Solutions Corporation

Bangalore, KA

- Developed **Qlik** QDT component testing dashboard in React and Angular, mirroring Storybook's functionality.
- Designed a data-loading framework, slashing server costs by 30% and API response time by 15%.
- Optimized 10+ applications, resolving bugs, enhancing performance, and elevating user experience.

Programmer Analyst Trainee

Jan 2022 – Jul 2022

Cognizant Technology Solutions Corporation

Bangalore, KA

- Built a robust RESTful API using .NET Core and MS-SQL, enhancing data management efficiency.
- Developed a **Insurity** web app with ASP.NET Core, Angular, MS-SQL and Docker providing seamless policy quotes.
- Implemented CI/CD pipelines, streamlining software development and deployment processes.

PROJECTS

Voyage Explorer | *Typescript, Express JS, MYSQL, Next JS*

Oct 2023 – Present

- Built an innovative block explorer for analyzing and visualizing MOI chain interactions.
- Created a pioneering explorer showcasing interaction details in real-time, a first in the blockchain industry.
- Improved the operator registration process, leading to increased user adoption.
- Designed and implemented a scalable statistics framework, collecting data from 1300+ global nodes, enabling real-time protocol insights.

JS-MOI-SDK | *Typescript, JSON-RPC, Websockets*

Oct 2023 – Present

- Developed a robust Typescript/JavaScript SDK for seamless interaction with the MOI protocol.
- Created intuitive APIs enabling developers to effortlessly connect contracts to dApps, streamlining integration.
- Ensured broad compatibility with leading bundlers, dual-module formats (ESM and CJS), and seamless integration with diverse frameworks.

CipherNode | *Typescript, Next JS, Nest JS, Mongo DB*

May 2024 – Jul 2024

- Built a robust web service for hosting MOI protocol nodes, providing deployment, monitoring, and scaling capabilities.
- Implemented cutting-edge security features, including encryption and access controls, to ensure secure node management.
- Designed CipherNode for seamless integration with multiple blockchain protocols, such as Solana, Ethereum, and others, enabling versatile node deployment.

TECHNICAL SKILLS

Languages: Typescript, Javascript, Golang, C#, SQL (MySQL), HTML/CSS

Frameworks: Next Js, Nest.js, Angular, Go-Gin, ASP.NET Core, NodeJS, Deno

Developer Tools: Git, Docker, Github Actions, Azure, VS Code, Redis, MongoDB, MySQL

Strengths: Multi-threading, Concurrency, Asynchronous Programming, OOPS, DBMS, RESTful API, Design Patterns

EDUCATION

Shri Ramswaroop Memorial Group of Professional Colleges

Lucknow, UP

Bachelor of Technology in Computer Science and Engineering

Aug 2018 – May 2022