NIKHIL KUMAR, BACKEND ENGINEER

nikhilkumarpps@gmail.com | Linkedin | Github | +91 8197351383

PROFILE SNAPSHOT

I am a backend engineer with 2+ years of experience with a proven track record of designing, implementing and optimizing scalable backend systems. Expertise in microservice architecture and extensive experience in node.js development. Strong problem solving skills and a commitment to delivering high-quality, efficient solutions.

SKILLS

- **Apache Kafka**
- **Node.js and Java**
- **PostgreSQL, SQL, MongoDB**
- **SDK Development (Typescript, NPM)**

- **AWS (S3, Lambda, Elasticache)**
- **Redis**
- **Docker**

NOTABLE ACHIEVEMENTS

- Pivotal role in the development of RESTful APIs, contributing significantly to their design, implementation and optimization for improved functionality and performance.
- Designed and implemented cache layer using Redis and Node.js to decrease response latency with LRU(Least Recently Used) key eviction strategy, Read-Through Cache strategy to increase cache-hit ratio. Increased the API response latency up to 50%.

WORK EXPERIENCE

Kresus Labs
Feb-2022 - Present
A web3 based company with size (100-150), series A funding raised 25M$. Crypto and NFT SuperApp allows users to transact crypto and NFTs, currently supporting Ethereum, Bitcoin, Solana, Polygon and Arbitrum chains, View consolidated transaction history, Create and Mint NFTs and much more. Backed by Liberty City Ventures, JetBlue Ventures and Franklin Resources.

Backend Engineer

- Designed and Implemented APIs related to user profile management.Implemented features such as profile customization, account settings, and social media integrations, contributing to a user-friendly interface. Conducted thorough testing and debugging to ensure the reliability and stability of APIs achieving 99% uptime.
- Spearheaded design and development of high performance APIs related to wallet operations. Retrieving all digital assets and transactions from multiple data sources reducing the latency up to 20%. Collaborated with cross-functional teams to integrate user wallet APIs seamlessly into frontend applications, resulting in a streamlined user experience.
- Kafka topics and events to monitor transactions broadcasted to blockchain networks. Setting up a producer in the transaction manager to manage various states of a transaction. Setting up consumers in a vault(smart contract based wallet with social recoverability) to update when there is completion in requested operations.
- Image compression service deployment on AWS Lambda (Serverless) using S3 events. Service used across Kresus to manage digital assets minted or created (assets can be created by partners of Kresus to conduct auctions on NFTs here). Saving up to 200% space.
- Redis for caching vault activities and vault related data. Queue implementation using redis for serialization of data processing to broadcast transactions to blockchain, which increased the success rate of transactions by 20%.

LTI(Larsen and Toubro Infotech, LTIMindtree now)
Aug-2021 – Feb-2022
Global technology consulting and digital solutions company with size (100000+), with more than 700+ clients.

Senior Software Engineer
- Major Contribution to develop RESTful APIs (C#) and comprehensive unit testing (NUnit) to achieve more than 85% code coverage for a HSBC private banking project.
- Worked on UI development for file upload module (drag and drop) using Angular.js and API integration to upload files to S3 bucket.
- Collaborated with client, UI/UX designers and developers to develop comprehensive test cases to ensure quality assurance and better understanding of requirements.

EDUCATION
Highest Degree Earned: B.E in Information Science and Engineering from Nitte Meenakshi Institute of Technology (Bangalore, Karnataka).

OTHER RELEVANT INFORMATION
Additional Languages: C/C++, Python, Go
Interests: Competitive Programming (Codechef)
Technical Skills: DSA(Data Structures and Algorithms), Low and High Level Design.