# Vinay Tiwari

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Software Developer with 1+ years of experience designing and developing scalable systems and applications. Proficient in Node.js, NestJS, and Solidity, with expertise in backend development, database optimization, and blockchain technologies. Adept at reducing system latency, enhancing performance, and ensuring data security through innovative problem-solving. Experienced in agile environments with a strong focus on collaboration and delivering quality solutions at scale.

## Skills

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| **Programming Languages** | Node.js, Python, C++, Solidity, TypeScript, JavaScript |
| **Frameworks-Tools** | NestJS, Prisma, TypeORM, Sequelize, RabbitMQ, Docker, Redis |
| **Database Management** | MySQL, PostgreSQL, MongoDB |
| **Key Concepts** | Microservices, Networking, Data Structures and Algorithms, SOLID Principles |

## Position of Responsibility / Work Experience

**Associate Software Developer | Antier Solutions Pvt Ltd | Blockchain, Solidity**          06/2023 – Present
**Miracle Digithread - Decentralized Staking and MLM Platform**
- Designed and maintained systems for automated bonus distributions and user management, optimizing scalability and user experience.
- Developed and implemented a comprehensive admin dashboard for managing platform earnings, staking, and bonus distributions, improving operational efficiency.
- Automated monthly and fortnightly bonus distributions, ensuring accuracy, reliability, and scalability across the platform.
- Enhanced user management features to enable efficient upgrades, downgrades, and account access control while ensuring security and integrity.

**Finay- NFT Marketplace**
- Led the integration of PayPal APIs for seamless deposit and withdrawal functionalities, enhancing user experience.
- Streamlined payment workflows, optimizing financial operations on the platform and improving overall efficiency.
- Optimized transaction processes, reducing processing times and improving platform performance.

**Dabbler - Social Media-like NFT Marketplace**
- Developed APIs within a microservices architecture using GRPC for scalable communication across services.
- Engineered a robust logging service to improve system reliability and enhance error handling.
- Designed optimized database schemas to reduce query latency and boost overall system performance.

**InstaNode - Node-as-a-Service (NaaS) Project**
- Reduced database query latency by 30% through the implementation of a bloom filter for optimized searches.
- Designed an encryption service to secure API responses and implemented Google Authenticator for two-factor authentication (2FA).
- Developed and extended support services APIs to add new functionalities to the project.

**Software Developer Intern | Antier Solutions Pvt Ltd | Blockchain, Solidity**          02/2023 – 06/2023
- Revamped the Fanverse NFT marketplace codebase, optimizing gas efficiency by 70%.
- Implemented improvements that increased code quality and platform performance by 40%.
- Developed and tested Ethereum smart contracts (ERC-20, ERC-721), focusing on enhancing security and performance.
- Collaborated on integrating blockchain solutions, ensuring data transparency and integrity.

## Education

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| **Bachelor of Technology**, *Dr B R Ambedkar National Institute of Technology,Jalandhar(NIT)* | 07 2019 - 06 2023 |
| **High School**, *Rashtriya Indian Military College* | 07 2013 - 06 2016 |

## Achievements

Shortlisted for Publicis Sapients Jumpstart 2022
Participated in Tally Codebrewers Hackathon and went till the pre-finals
Secured overall rank of 1059 in Geeks For Geeks Job-A-Thon 11 out of 40k participants
Secured AIR 3 in RIMC Entrance Examination
Played for the college cricket team at IIT BHU Sports tournament(Spardha)