

Nitesh Ghuge

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Tags - Good at Architecture | Strong Backend Skills | Strong Blockchain Skills | Solidity Smart Contract

Summary

I am a Senior Software Engineer with 7+ years of experience, expertise on Javascript, Typescript, Node.js Backend, AWS, Microservice, Rest API, Blockchain. I have successfully designed robust architectures, led development teams, and explored emerging technologies.

My notable achievements include developing the fiat stablecoin (EURST) for Wallex Bank, managing compliance with KYC and AML regulations. I also created simulator trading bots for comprehensive smart contract testing.

I have contributed to projects like The Gem NFT marketplace, Metanept, and USX stablecoin involved implementing blockchain features such as IoT integration, DEX, CEX, DeFi, metaverse functionality, web3 components, finance, healthcare, e-commerce etc.

Stack Experience

Languages: Javascript, Typescript, Rust, Solidity

Frontend Frameworks: React.js, Bootstrap

API Development: Restful API, GraphQL

Backend Frameworks: Node.js, Express.js, Nest.js, Serverless.js

Databases: MySQL, MongoDB, PostgreSQL

Databases Library: Prisma, TypeORM, Sequelize, Mongoose

Caching: Redis

Testing: Jest, Unit Testing, E2E Testing

Cloud: AWS, Firebase, Heruko

Containerization: Docker

Message Brokers: RabbitMQ, Kafka

Blockchain: EVM, Ethers.js, Web3.js, bitcoinjs, Solidity, on-chain, off-chain, cross-chain, IPFS, Hardhat

Blockchain Applications: NFT, DeFi, DEX, CEX, Metaverse, Web3 game

Blockchain Wallet: Metamask, Coinbase, Wallet Connect, Phantom, Fireblock

Blockchain Network: Ethereum, Binance, Polygon, Bitcoin and Solana.

Version Control: Git, GitHub, Bitbucket, Gitlab

Other: Microservices Architecture, Design pattern, SOLID design principle, algorithm, data structure, Webhook, WebSocket, Social Auth Login, Cryptography, Payment gateway, Swagger UI, KYC, AML.

Professional Experience

Block Gemini, Dubai (Remote) - Senior Software Blockchain and Backend Engineer

Aug 2021 – present · 24 months

Block Gemini is a collective of Blockchain developers and enthusiasts who collaborate on this technological shift that we like to call - The Blockchain Revolution.

Tech Stack: HTML, CSS, Bootstrap, Javascript, Typescript, Node.js, Express.js, Nest.js, Solidity, EVM, Cryptography, Cryptocurrency, NFT, Smart contract auditing, Blockchain Wallet, MongoDB, MYSQL, PostgreSQL, Sequelize, TypeORM, Prisma, Mongoose, Redis, Jest, AWS, Docker, GIT, Ethers.js, Web3.js, React, IPFS, Microservice, REST, GraphQL.

- Demonstrated expertise in an extensive tech stack, including JavaScript, TypeScript, Node.js, Express.js, Nest.js, Solidity, and more, to microservice architect, plan, and optimize code. Implemented best practices, resulting in a 50% improvement in performance and a 2x reduction in development time.
- Conducted in-depth research and development on cutting-edge technologies, exploring new tools and frameworks within the tech stack. Implemented innovative solutions that improved project efficiency and scalability by 30% and enhanced security measures to mitigate risks.
- Played a pivotal role in understanding the project's business model, aligning technical solutions with business objectives. Collaborated closely with stakeholders, gathering requirements and translating them into technical specifications, ensuring client satisfaction throughout the development process.
- Led a team of 10+ developers, providing guidance, mentorship, and fostering a collaborative environment. Oversaw project timelines, delegated tasks, and facilitated effective communication, resulting in the successful delivery of high- quality solutions on time and within budget.

Fabric Inc, Canada (Remote) - Senior Software Engineer

Mar '21 - July '21 · 5 months

Fabric is the headless commerce platform purpose-built for growth.

Tech Stack: Javascript, MongoDB, Serverless.js, Jest, Microservice and AWS

- Improved application performance by implementing optimization techniques, caching strategies, and fine-tuning configurations, enabling robust handling of +1k requests per second.
- Conducted load testing and performance tuning to optimize application response times, scalability, and resilience, ensuring smooth performance during peak usage periods.
- Developed robust error handling mechanisms, incorporating retry strategies, circuit breakers, and failover mechanisms to enhance system resilience.

Encapto, Melbourne, VIC (Remote) - Senior Software Engineer

Dec '18 - Feb '21 · 27 months

Encapto WiFi is the most flexible, feature-rich, and easy-to-use WiFi platform in the world.

Tech Stack: Javascript, Typescript, Node.js, Serverless.js, Jest, Docker, GIT, CI/CD, AWS, Lamda, Nginx, PostgreSQL, Sequelize, Microservice

- Developed and scaled a microservices architecture using Node.js, Serverless.js, and AWS, supporting modular and independent components for seamless deployment and management of 10+ services.
- Implemented Docker for containerization, reducing deployment time by 30% and ensuring consistent application deployment across different environments.
- Established efficient code management, continuous integration, and deployment pipelines using Git, CI/CD, and AWS services, resulting in a 20% increase in team productivity.

Datamatics Group, Mumbai, India- Web Developer

Dec '17 - Nov '18 · 14 months

Datamatics Group we are at Contractor Accounting, Payroll Solutions and provide Umbrella Services.

Tech Stack: Javascript, Node.js, Express.js, Sequelize, AWS, Jest, Microservice, PostgreSQL

- Microservice Architected, planned, and optimized the file structure for Node.js and Express.js applications, resulting in a 30% reduction in development time and improved performance by 2x through the implementation of functional components and webhooks.
- Collaborated closely with cross-domain teams to ensure seamless integration and efficient communication throughout the development process.
- Led and mentored both the backend and frontend teams, providing guidance and fostering a collaborative environment, resulting in improved productivity and timely delivery of high-quality solutions.
- Leveraged AWS services to deploy and scale applications, ensuring high availability and seamless performance under heavy traffic conditions, handling 1000+ concurrent connections without any service interruption.

Techmorphosis, Mumbai, India - Web Developer

Oct '16 - Nov '17 · 14 months

Techmorphosis provide service for Application Development, Cloud Apps, and Mobile Apps.

Tech Stack: Javascript, Node.js, Express.js, AWS, Jest, Microservice, e-commerce, MYSQL, MongoDB

- Led a team of 10 web and mobile app developers, resulting in a 20% increase in productivity and timely delivery of high-quality solutions.
- Optimized e-commerce applications, resulting in a 30% reduction in response time and improved user experience.
- Improved code quality through code reviews, coding standards, and automated analysis tools, leading to a 40% reduction in bug occurrences.

Cruxbytes, Thane, India - Software Developer

Jan '16 - Oct '16 · 10 months

CruxBytes provide service for Application Development, Cloud Apps, and Mobile Apps.

Tech Stack: Javascript, Node.js, Express.js, AWS, Jest, Microservice, PostgreSQL, Sequelize etc

- Implemented a microservice architecture using Node.js and Express.js, allowing for scalability and modularity, and reducing code duplication by 90%.
- Led a team of frontend and backend developers, providing technical guidance, conducting code reviews, and enforcing best practices, resulting in a 95% improvement in code quality and maintainability.

Qualification

Bachelor Degree in Computer Engineering

June 2009 - May 2013

University Of Mumbai