

Vyshnav Suresh

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PROFILE SUMMARY

Full Stack Developer with expertise in designing and implementing scalable web applications using **Node.js**, **React.js**, and **MongoDB**. Strong background in building secure, high-performance APIs, microservices, and real-time applications. Passionate about integrating **GenAI** solutions and optimizing workflows with **n8n** to drive efficiency. Skilled in RESTful APIs, authentication mechanisms, and cloud platforms.

SKILLS

Languages & Frameworks: JavaScript, TypeScript, Node.js, Express.js, React.js, Next.js, NestJS, React Native, HTML, CSS, Tailwind CSS, VBA.

Databases: MongoDB, SQL.

Cloud & DevOps: Vercel, Firebase.

Tools & Technologies: Git, GitHub, TanStack, Redux, CoreUI, JWT, Google App Script, Apache Superset.

AI & Automation: GenAI, n8n Workflow Automation.

Other: Microservices, RESTful APIs, Performance Optimization, UI/UX Design, Blockchain/NFT.

EXPERIENCE

UVJ Technologies Pvt. Ltd

Software Engineer

Kakkanad, Kerala

June 2023 – Present

- Built a **React.js dashboard** for an **internal management system**, integrating multiple features such as analytics, role-based access control (RBAC), and real-time data updates to enhance efficiency.
- Developed an application for **real-time data analysis** of an **asthma control device** using **MongoDB** and **Node.js**, processing live sensor data with API endpoints.
- Integrated **GenAI** features to analyze patterns in patient health data, providing automated insights for improved healthcare recommendations.
- Designed and implemented **n8n automation workflows** to streamline notifications, database updates, and API interactions, reducing manual intervention.
- Created and deployed secure RESTful APIs with **JWT authentication** and **RBAC** for enhanced security and access control.
- Developed microservices using **NestJS** to decouple backend services and improve maintainability.
- Optimized database queries and caching strategies to reduce API response times by 40%.

KVJ Analytics

Freelancer

Remote

June 2019 – June 2023

- Developed **VBA**-based Excel applications, including a mock Excel certification exam tool.
- Implemented automated data workflows using **Google App Script** for report generation and data validation.
- Built RESTful APIs for Excel data integration, enabling seamless data transfer between Excel and external web services.

EDUCATION

Amal Jyothi College of Engineering

Master of Computer Applications

Kerala, India

Aug. 2021 – May 2023

Christ (Autonomous) College

Bachelor of Computer Applications

Kerala, India

Aug. 2018 – May 2021

PROJECTS

Airco | NextJS, MongoDB, Truffle, Ganache, IPFS, Metamask

June 2020 – Present

- Developed a full-stack blockchain-based product verification system.
- Built an **NFT-based ownership tracking system** for digital and physical assets.
- Designed decentralized smart contracts using **Solidity** for transparent authentication.