**Nithin Sudheer Narayanapuram**

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**SKILLS**

**Full-Stack Development: Python, JavaScript, MERN Stack (MongoDB, Express.js, React, Next.js, Node.js)**

**• Backend and Database Management: MongoDB (Aggregation, Indexing, Geo-fencing), SQL (MySQL, PostgreSQL), API Development, Integrations with Third-party Services (Razorpay, GST & Document Verification APIs).**

**• Frontend Development: React.js, Next.js (Server-Side Rendering, API Optimization), and Responsive UI Design.**

**• Cloud and Deployment: AWS (S3, EC2), Firebase (Real-Time Notifications), and Application Deployment and Optimization.**

**• Geospatial Technologies: Integration with Google Maps API and Location-Based Services.**

**• Performance Optimization: Improving Query Efficiency, Enhancing API Performance (Conditional Responses, Minimizing API Calls), and Building Scalable Architectures.**

**• Unit Testing and Debugging: API Testing, Code Optimization, and Debugging for Performance Improvements.**

**• Soft Skills: Cross-functional collaboration, Analyzing and Translating Business Requirements, and Mentoring and Supporting Peers' Development.**

**EXPERIENCE:**

**Software Engineer [MERN Stack Developer],** CodeFacts **May 2024 – Present**

• Designed and developed scalable web applications using the MERN stack, optimizing performance and reducing client-side execution time through Next.js server-side rendering. Spearheaded the end-to-end development of Techmate, managing frontend, backend, deployment, and API integrations independently.

• Implemented an AI-driven approach to streamline complex workflows, leveraging automated data validation via third-party APIs for document verification and GST validation, reducing manual processing time by 30% and improving data accuracy.

• Optimized transaction and data retrieval flows, integrating Razorpay for seamless payments and utilizing MongoDB aggregation, indexing, and geo-fencing to enhance database efficiency, reducing query execution time by 60%.

• Engineered real-time communication systems, incorporating Firebase notifications to ensure 70% faster message delivery, enhancing user engagement.

• Integrated Google Maps API to enable precise geolocation services, enhancing the accuracy of location-based queries for Techmate and First House.

• Led the development of a customized Admin Panel, reducing operational workload by 50% through streamlined administrative controls and automation.

• Deployed and maintained applications on AWS, ensuring 99.9% uptime and leveraging S3 for secure file storage.

• Collaborated with teams in previous projects like First House, contributing to API integration and complex React.js implementations while mentoring peers in advanced React concepts like hooks and promises.

**PROJECTS**

**Techmate Services |Solo Project Lead** (Next.js, Node.js, MongoDB, AWS)

• Independently architected and delivered a complex web platform, overseeing the entire development lifecycle from requirement gathering to deployment, achieving a 40% increase in application performance and reducing page load times by 35% through optimized server-side rendering with Next.js.

• Achieved 100/100 Lighthouse scores in Performance, SEO, and Best Practices, enhancing visibility and user experience across all pages, driving a 50% increase in organic search traffic.

• Designed and implemented business-critical modules, including subscription billing and refer-and-earn systems, which contributed to a 20% increase in customer retention and 15% growth in revenue within the first quarter post-launch.

• Collaborated with the mobile development team, ensuring consistent backend logic and achieving 100% feature parity between web and mobile platforms, improving cross-platform user engagement by 25%.

**EDUCATION**

**Computer Science and Engineering**, Anurag Engineering College **Nov 2020 – May 2024**