

# JAMSEER M C

## Node.js Developer

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## Profile Summary

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Full-stack developer specializing in the Node.js Developer with a strong background in JavaScript and experience in building scalable, high-performance web applications. Skilled in using modern frameworks and tools to create user-focused solutions. Strong problem-solving and analytical skills, combined with a passion for innovative development and continuous learning. Eager to contribute dynamic talents to organizations seeking innovation in web development.

## Skills

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<b>Programming Languages:</b>	JavaScript, TypeScript
<b>Back End Development:</b>	Node.js, Express.js, Microservices, Clean Architecture, Monolithic Architecture, MVC, RESTful API Design
<b>Front End Development:</b>	React.js, Redux, WebSocket, HTML, Tailwind CSS, Bootstrap, CSS, Ajax, EJS
<b>Database:</b>	MongoDB, PostgreSQL, Firebase, Redis
<b>Tools:</b>	Git, GitHub, Postman, VSCode, Canva, Figma, Eclipse
<b>Expertise in:</b>	Data Structures, Third-Party Integrations
<b>Deployment:</b>	AWS, Azure Services, GitLab, CI/CD And also Familiar with POSIX commands
<b>Integrations:</b>	Razorpay, Socket.io, Stripe, Nodemailer, Cloudinary, RabbitMQ
<b>Familiar With:</b>	Docker, Kubernetes, AWS Services, Azure (AKS), Google Cloud Platform (GCP), Agile Development

## Projects

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### E-LEARNING PLATFORM | LEARNVOYAGE:

[Live Link](#) | GitHub: [Frontend](#) | [Backend](#)

LearnVoyage is a professional e-learning platform designed to connect students with freelance instructors. It offers seamless educational services through an interactive and intuitive interface, enabling effective communication and learning experiences. The platform is built with dedicated modules for admins, students, and instructors, featuring live chat, video calls, and a robust exam system to enhance user engagement and learning outcomes.

- **Modular Microservices:** Designed and implemented a scalable system with six microservices (Auth, Payments, Notifications, Chat, and Content Management) using **TypeScript, Node.js, and Express**, ensuring a clean separation of concerns and enhanced maintainability.
- **Containerization & Orchestration:** Utilized **Docker** for containerization and **Kubernetes** for orchestration, streamlining deployment processes and boosting scalability.
- **Secure Payment Integration:** Integrated **Stripe** to manage payments, subscriptions, and secure transactions, employing JWT and OTP-based authentication to enhance security.
- **Cloud-Based Media Storage:** Optimized media storage and accessibility across the platform using **Cloudinary**, ensuring efficient cloud-based media management.
- **Enhanced Security & Performance Optimization:** Implemented security measures, including **Helmet.js** for securing HTTP headers and rate limiting to mitigate abuse. Improved performance by applying debouncing techniques to reduce unnecessary API calls in search functionalities.
- **Responsive Design:** Developed a fully responsive user interface using **Tailwind CSS**, delivering an optimized experience across various device sizes, from mobile to desktop.

**Technologies:** MERN Stack (MongoDB, Express.js, React.js, Node.js), Azure AKS, Nginx, Redux, TypeScript, Tailwind CSS, Socket.IO, JWT, Helmet.js, Clean Architecture, Git, shadcn, RabbitMQ .

## E-COMMERCE PLATFORM | SAFATH EDUMART:

[Live Link](#) | [GitHub](#)

SAFATH EDUMART is an e-commerce website dedicated to footwear sales, allowing customers to browse and purchase products online. The application features a user-friendly interface, secure payment system. Customers can create accounts, shop books, track their order status and give reviews and ratings.

- **User-Friendly Features:** Built intuitive cart and wishlist management, with a smooth checkout process secured by **Razorpay** integration.
- **Enhanced User Experience:** Developed advanced search, filtering, and sorting options, plus promotional tools like coupons and referral discounts.
- **Efficient Order Management:** Implemented a complete system for order processing, returns, and cancellations, including automated invoice generation.
- **Comprehensive Admin Dashboard:** Designed a robust admin panel for managing products, orders, users, and overall site operations.
- **Scalable and Secure Deployment:** Deployed on **AWS EC2** with Nginx, Certbot, and PM2 for high performance, security, and scalability.

**Technologies:** Node.js, Express.js, MongoDB, EJS, HTML, CSS, Bootstrap, Razorpay, JWT, Multer, Nodemailer, AWS EC2, Nginx, Chart.js, Git

## Mini Projects

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- **Aadhaar-OCR-System** [GitHub](#)  
The application will allow users to upload images of the front and back of an Aadhaar card, process these images through an API, and display the extracted information on the frontend.
- **OLX Clone with Firebase Auth [React.js, Firebase]** [GitHub](#)  
A clone of the OLX website featuring Firebase authentication, allowing users to create accounts, log in, and post ads.
- **Task Managment** [GitHub](#)  
A simple and intuitive to-do list application developed in React.js to manage tasks with add, edit, delete, and mark-as-complete features.
- **Netflix Clone [React.js, TMDB API]** [GitHub](#)  
A replica of the Netflix interface that fetches movie data from the TMDB API, showcasing dynamic UI updates and search functionality.

## Education

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<b>MERN Stack Development</b> Brototype, Calicut	2023 - Present
<b>BTECH in Mechanical Engineering</b> APJ Abdul Kalam Technological University	2015 - 2019