

KANDULA NAVEEN

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[portfolio](#)



Professional Summary

Results-driven **Full Stack Developer** with **3+ years** of expertise building scalable, high-performance web applications using **MERN stack, TypeScript, and cloud technologies**. Proven track record of optimizing system performance for **1M+ concurrent users** with **99.9% uptime**. Specialized in developing omni-channel platforms, real-time communication systems, and AI-driven analytics. Expert in RESTful APIs, microservices architecture, WebRTC, and DevOps practices (Docker, CI/CD). Delivered projects reducing API latency by **30%** and boosting user engagement by **40%**.

Technical Skills

Frontend Technologies: React.js, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Redux, Bootstrap, Tailwind CSS, Material UI, Responsive Design

Backend Technologies: Node.js, Express.js, RESTful APIs, GraphQL, WebSockets, Microservices, JWT Authentication, OAuth2.0, WebRTC

Databases: MongoDB, MySQL, PostgreSQL, Redis, Firebase, NoSQL, SQL, Database Optimization, MongoDB DBA

DevOps & Cloud: Docker, Nginx, AWS (EC2, S3, Lambda), Azure, CI/CD Pipelines, Load Balancing, Container Orchestration, Git/GitHub

Development Tools: VS Code, Postman, Swagger, Figma, Adobe XD, GitHub Copilot, Agile/Scrum Methodologies

Core Competencies: Full Stack Development, API Integration, Performance Optimization, Real-time Systems, System Architecture, Scalability, Cross-browser Compatibility, Testing & Debugging, UI/UX Design Principles

Professional Experience

Full Stack Developer

Oct 2024 – Present

Vitel Global Communications

Hyderabad, India

- Architected and deployed an **omni-channel social media platform** integrating **10+ APIs** (Facebook, Instagram, Twitter, LinkedIn) with real-time chat, video conferencing, and VoIP capabilities using React.js, Node.js, and WebSockets
- Enhanced user engagement by **40%** through optimization of API response times, achieving **30% faster data retrieval** and reducing average load times from 3.2s to 1.8s for 1M+ active users
- Developed scalable video conferencing solution using **WebRTC** supporting **50,000+ concurrent users** with **99.9% uptime** and **200ms average latency**, deployed on AWS/Azure cloud infrastructure
- Implemented robust security architecture with **OAuth2.0, JWT authentication**, and Redis caching, achieving **zero security breaches** and reducing API latency by 30% through efficient session management
- Built **Calendnow.ai**, an AI-driven meeting scheduling platform with automatic timezone detection, supporting global clients with advanced analytics dashboards and interactive data visualizations
- Optimized database queries and implemented Redis caching strategies, improving overall system performance by 45% and handling peak loads of 500K requests/minute

Full Stack Developer

Nov 2022 – Oct 2024

ATTPL (Ashoka Today Technology Pvt Ltd)

Hyderabad, India

- Engineered a **blockchain-based election management system** processing **500K+ votes/minute** with **99.99% accuracy**, serving 10M+ users with real-time result tabulation and auditable vote tracking
- Developed **machine learning models** achieving **92% accuracy** in predicting voter turnout, enabling dynamic resource allocation that reduced operational costs by **15%**
- Redesigned voter registration UI/UX using React.js and Material UI, reducing form completion time by **65%** and increasing youth voter engagement by **40%** through mobile-first responsive design
- Implemented **biometric authentication** with end-to-end encryption, achieving **99.7% fraud reduction** and 100% breach prevention through military-grade security protocols
- Led migration of legacy systems to modern tech stack (React.js, Node.js, MySQL, Docker), achieving **75% faster data migration** with zero downtime during peak election periods
- Established CI/CD pipelines using Docker and GitHub Actions, reducing deployment time by 60% and enabling 3-5 production releases per week

Key Projects

- VitelMeet - Enterprise Video Conferencing Platform - Vitelglobal | *React.js, WebRTC, Node.js, AWS, Redis* 2024
 - Developed secure video conferencing platform with real-time messaging, screen sharing, and VoIP, achieving **99.9% uptime** through AWS/Azure cloud optimization
 - Reduced latency by **25%** using WebRTC protocols and end-to-end encryption, supporting **50K+ concurrent users** with adaptive bitrate streaming
 - Implemented load balancing and Redis caching for session management, handling 200K daily active users with sub-200ms response times
- Calendnow.ai - AI Meeting Scheduler - Vitelglobal | *Next.js, TypeScript, Node.js, MongoDB, AI/ML APIs* 2024
 - Built intelligent scheduling platform with automatic timezone detection and calendar synchronization across 50+ global timezones
 - Designed customer and admin portals with advanced analytics dashboards featuring interactive charts using Chart.js and D3.js
 - Implemented OAuth2.0 authentication and role-based access control, ensuring GDPR compliance and data protection
- Omni-Channel Communication - Vitelglobal | *React.js, Redux, Node.js, GraphQL, Docker, Nginx* 2023-2024
 - Integrated Facebook, Twitter, LinkedIn, Instagram APIs with unified real-time messaging, VoIP, and video conferencing capabilities
 - Deployed cloud-native architecture on AWS ensuring **99.9% uptime** and seamless cross-platform communication for enterprise clients
 - Optimized API performance achieving **30% faster response times** and boosting user engagement metrics by 40%
- Election Management System (EMS) - ATTPL Group | *React.js, Next.js, Node.js, MySQL, Docker, Redis* 2022-2023
 - Engineered blockchain-based voting platform with **biometric authentication**, reducing fraud by **99.7%** and enabling **80% faster** result calculation through real-time analytics and distributed ledger technology
 - Built scalable architecture processing **500K+ votes/minute** with **99.99% accuracy**, serving **10M+ users** with load balancing and Redis caching for optimal performance
 - Developed accessibility-first mobile application increasing remote voter turnout by **45%** for elderly and disabled communities with multilingual support and voice navigation
 - Implemented end-to-end encryption and audit trails ensuring transparent, tamper-proof electoral processes with military-grade security protocols

Education

Osmania University <i>Bachelor of Commerce (B.Com) – CGPA: 8.3/10.0</i>	Hyderabad, India <i>Graduated: 2022</i>
Board of Intermediate Education, Telangana <i>Higher Secondary Certificate (XII) – 95.0%</i>	Telangana, India <i>2018</i>

Certifications

- JavaScript Algorithms and Data Structures – freeCodeCamp
- Front End Development Libraries – freeCodeCamp
- Full Stack Web Developer - MERN Stack – Professional Certification

Languages

English (Expert) | Hindi (Expert) | Telugu (Expert - Native)