Naga Sai Kumar Janipireddy

Full-Stack Developer | MERN | 2.8+ Y Exp (Since Diploma) | Ex-Alstom & Medha | 5+ Production Apps

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SUMMARY

Full-Stack Developer (MERN) with **2.8+** years of professional experiencesince **Diploma**, spanning enterprise-grade transportation systems **(Alstom, Medha)** and **scalable web applications.** Currently a **Junior Full-Stack Developer** at **Zithara.AI**, delivering **5+** production-ready apps using **React 18, Next.js 14, Node.js, Express, and MongoDB**. Skilled in **REST APIs, JWT** authentication, **CI/CD** pipelines,and **cloud** deployment. Recognized for optimizing performance**, mentoring teams**, and shipping **impactful solutions** with measurable business outcomes.

EXPERIENCE

Junior Full Stack Developer - Zithara.AI

Jun '25 — Present
Hyderabad, India

• Engineered **backend APIs for POS**, handling 2000+ daily transactions with 100% order accuracy.
• Integrated **browser-based** calling via **Plivo SDK**, boosting customer engagement by 40% with dynamic number mapping.
• Developed **Plivo** onboarding workflows to seamlessly onboard users for in-app calling, ensuring smooth adoption and reducing setup friction.
• Upgraded frontend to **React 18 + Next.js 14**, reducing load time by 25% and improving maintainability.
• Designed **Webhook Payload Config** with recursive hidden field filtering, enabling seamless multi-service integrations.

MERN Stack Teaching Assistant (Freelance / Part-Time) - NxtWave Academy

Jul '24 — May '25
Hyderabad, India

• Mentored **100+ students** in MERN stack development, improving project success rates and reducing bug resolution time.
• Conducted code reviews and guided debugging in **React.js, Node.js, Express.js, MongoDB**, and REST APIs.
• Provided code reviews and technical explanations, strengthening learners' understanding of core web development concepts.

Service Engineer (R&D – Data Analysis & Software Integration) – Medha Servo Drives Pvt. Ltd.

Mar '23 — Sep '24
Hyderabad, India

• Designed and executed **data analysis pipelines** on locomotive telemetry (DAS), deriving insights that improved fault detection accuracy and system reliability.
• Integrated and deployed **embedded software builds** into production locomotives, following agile testing and release practices.
• Conducted and validated **CAN communication log parsers**, ensuring accurate, real-time subsystem interactions.
• Collaborated with R&D software teams to refine code fixes, optimize build stability, and deliver **production-ready software updates** with minimal downtime.
• Translated **field test data into technical feedback**, influencing roadmap improvements and accelerating release cycles.
• Supported software updates by **downloading, deploying**, and **validating** them on locomotives.

Engineer Trainee (Software Systems Testing & Validation) — Alstom Transport India Ltd.

Nov '21 — Nov '22
Sricity,Andrapradesh, India

• Tested and Validated **embedded control software** for metro subsystems (train units, automatic doors, pantograph systems), ensuring operational stability.
• Analyzed and verified system logs using **DAS software**, detecting faults and accelerating diagnostic speed by 25%.
• Collaborated with cross-functional engineering teams to **debug control logic**, reducing system downtime.
• Executed structured **software testing protocols** on live trains, ensuring smooth integration of embedded updates.
• Monitored and verified **communication logs**, ensuring accurate data flow across train subsystems and reducing integration errors.
• Documented anomalies and collaborated with R&D and software teams to debug, refine embedded logic, and enhance overall system stability.

SKILLS

Frontend :   ReactJs, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, JavaScript
Backend :   Node.js, Express.js, Python
Databases :   MongoDB, SQL, SQLite
Tools & Platforms :   Git, GitHub, Postman, VS Code, REST APIs, Power BI, Render, Cloudinary, Netlify
Practices :   OOP, Data Structures & Algorithms, JWT Authentication, Agile, CI/CD
Soft Skills :   Problem Solving, Innovation, Team Collaboration, Communication

PROJECTS

Voice-Enabled E-Commerce Platform + Admin Panel Link   Jul '25 — Aug '25

- **Built & deployed** a full-stack e-commerce platform with **voice-enabled** navigation and **AI** chatbot **(Gemini API)** for product search & order queries.

- Developed an **admin panel** with **role-based access control, JWT** authentication**, product/image** management, and **order tracking**, boosting operational efficiency.
- Integrated **RESTful APIs** (Node.js, Express) with **MongoDB**, **ReactJS & Tailwind CSS** frontend, and cloud image uploads **(Cloudinary + Multer)**.
- Delivered a **futuristic shopping experience** with **AI-driven interactions**, deployed on Render.
- **Technologies:**ReactJs, Node.js, Express, MongoDB, TailwindCSS, Gemini API,Speech Recognization API, Cloudinary, Multer, Render

Spotify Clone + Admin Panel Link   Nov '24 — Dec '24
- Built production-ready music streaming app with **playlist management,** and real-time **audio playback**.
- Developed secure Admin Panel with **role-based access control** for managing songs, albums, and users.
- Deployed CI/CD pipeline and optimized frontend load by 30%.
- Integrated **Cloudinary** for media storage and **Mongoose** for schema validation.
- Deployed frontend and backend on **Render** with **CI/CD workflows**.
- **Technologies:**ReactJs, Node.js, Express, MongoDB, CSS, TailwindCSS, Cloudinary, Multer, Render

Food Delivery Platform with Admin Panel Link   Aug '24 — Sep '24
- Built responsive frontend with **React.js**, JavaScript (ES6+), and Bootstrap for seamless user experience and mobile support.
- Developed RESTful backend APIs using **Node.js**, Express.js, and MongoDB to manage users, orders, and restaurants.
- Implemented secure authentication and role-based access with **JWT**, supporting user and admin workflows.
- Managed image upload and storage efficiently using **Multer** and **Cloudinary**, integrating smooth frontend-backend communication via **Axios**.
- **Technologies:**React.js, Node.js, Express.js, MongoDB, Bootstrap,Cloudinary,JWT,Multer

SnapRecord — In-Browser Screen Recorder Link   Jan '24 — Feb '24
- Developed a real-time screen recorder web app using **HTML5**, **CSS3**, and **JavaScript**.
- Enabled screen recording downloads and photo capture for user convenience.
- Implemented live streaming via **WebSockets** with a smooth, intuitive UI across browsers.
- **Technologies:**HTML, CSS, JavaScript, WebSockets

EDUCATION

B.Tech in Electrical and Electronics Engineering (Pursued alongside Industry Work)) , Newtons Institute of Science & Technology (JNTUK) (GPA: 7.5)   Jul '22 — May '25
                                                                                                     Guntur,Macherla

Diploma in Electrical and Electronics Engineering , Smt.B.Seetha Polytechnic (GPA: 8.9)   Jun '18 — Jun '21
                                                                                                     Bhimavaram, India

Full-Stack Developer Program (Certification & Training), Nxtwave Academy   Mar '23 — Apr '25
- Intensive MERN stack training including React, Node.js, Express, MongoDB, JavaScript, HTML5, CSS3, Python and SQL.
- Completed 5+ full-stack projects with authentication, role-based access, API integrations, and responsive UI.
- Earned multiple skill certifications validating core web technologies proficiency.
- Applied Agile methodologies, Git version control, and CI/CD pipelines simulating professional environments.

AWARDS & ACHIEVEMENTS

District-Level Elocution & Essay Winner:
Achieved 1st prize in National Voters' Day competition; recognized by the **Election Commission of India**.

Bridged Engineering & Tech :
Transitioned from **Electrical Engineering** to Full-Stack Development, delivering **5+ production-ready MERN apps**.

Improved Fault Diagnostics by 25%:
Leveraged **DAS software** at Alstom to accelerate real-time **locomotive fault analysis**.