

Mannem Raju

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Summary

- Experienced Software Engineer over 1 year of experience in Software Development Life Cycle - Software analysis, Design, Development and integration using Nodejs, Nestjs, Nextjs, React, Typescript following best practices and engineering improvements.
- Solid grasp on responsive and mobile-first design, converting UI to actionable applications using Next.js, React.js, Redux, JavaScript, Typescript, Chart.js, HTML5, CSS3 for creating cross-browser compatibility interactive applications.
- Experience in building and deploying scalable API's using Nodejs, Nestjs, Express, Typescript, Python, Flask on AWS & Render following MVC and modular architecture patterns.
- Familiar with user-centered design and UX design using Figma and Canvas, following best practices.
- Built responsive and easy-to-understand data visualizations using chart.js for real-time and AI-driven insights.
- Deep understanding of build tools and module bundlers Vite, Webpack, Babel, Eslint, Bun, and pnpm, npm for efficient development and project setup.
- Worked on backend integrations using Apolloserver, Graphql, Prisma, PostgreSQL, Mongodb, RESTful API's and improved DB performance.
- Basic experience writing unit and integration tests using Jest.
- Set up and maintained CI/CD pipelines using GitHub Actions, following trunk-based development and using short-lived feature branches to streamline releases.
- Proficient in using Git, GitHub and Gitlab version controls, and setting up CI/CD pipelines with GitHub Actions to automate deployments.
- Experience of using AWS services are Lambda, EC2, S3, CloudFront, CloudWatch, IAM, Vercel for deploying and scaling web applications.
- Familiarity with bug tracking, issue tracking using Jira in Agile Scrum Methodology. Participated in internal/cross team meetings like Daily Standup Meeting, Sprint review.
- Exposure to Docker, Kubernetes for containerization, deployment, and management of scalable MVC applications.
- Used Terraform to define and manage cloud infrastructure, with experience in maintaining state using Terraform Cloud.
- Led and supported a college team in creating technical documentation and resolving compilation and runtime errors through effective troubleshooting and debugging.
- Collaborated with
- Collaborate with engineers, PMs, and designers in a culture that values thoughtful code reviews.
- Passionate about building solutions that make a real-world impact, with a strong interest in customer-centric development, particularly in healthcare, education banking domains.
- Desire and willingness to learn new technology and deliver results in a timely manner.

Skills

Front-end	React , Nextjs, Redux, Typescript, Javascript, HTML, CSS, Tailwind, Jjquery, Motion
Back-end	Node JS, Express JS, Nestjs, Bun, Python
Databases	PostgreSQL, MongoDB, Oracle SQL / PLSQL
API	Apollo server, Graphql, Rest API
Cloud	AWS Lambda, S3, CloudFront, IAM, CloudWatch, ECS, EC2, Vercel, Firebase, Pythonanywhere
Version Control	Git, GitHub
Data Visualization	Chartjs, Tableau
Other	Jira, Scrum, UML, Visio, Terraform,

Experience

Web Developer

Jan 2024 – Present

Zeus Systems Inc, Remote

- Developed a scalable MVC backend using Nodejs, TypeScript, Express, ESLint, and ESBuild for bundling.
- Designed front-end components with Next.js, React.js, Redux, Tailwind CSS, HTML5, CSS3 and UI libraries like Shadcn and Aceternity for a clean and responsive design.
- Implemented Google OAuth 2.0 and Azure Entra ID authentication by next auth with MongoDB Adapter.

- Created database schemas with Prisma and PostgreSQL, modeling one-to-many relationships between colleges and courses.
- Integrated MongoDB and Firebase Storage to securely store user data with Google OAuth 2.0 authentication.
- Implemented CI/CD pipelines using GitHub Actions, integrated with AWS IAM and OIDC for secure deployment to AWS Lambda with API Gateway.
- Managed cloud infrastructure using Terraform to provision AWS S3, CloudFront, Lambda, IAM, and CloudWatch.
- Experienced in configuring cloud CloudWatch, SNS, SQS, Cloudfront, IAM, DynamoDB and integrating in to applications

Machine learning Intern

May 2023 – Aug 2023

Red Carpet Animation Visual FX, Guntur

- Responsible for maintaining quality and accuracy of the data using Python libraries Numpy, Pandas and MS Excel.
- Collect data from data marts and maintain it securely in MySQL database.
- Documented predictions and insights found in the entire process by using Pandas, Scikit-Learn and Matplotlib

Salesforce Developer Virtual Internship

Aug 2022 – October 2022

APSCHE and Smart Bridge, Remote

- Worked on Data management, security management and Process Automation specialist.
- Designed interfaces with Lightning Web Components (LWC) & API, Apex, Testing & Debugging.
- <https://www.salesforce.com/trailblazer/mraju64>

Open Source Projects

Campus Logics | Job Board Site |

[Live Link](#)

- Developing a job board platform aimed at helping fresh graduates with real-time job alerts and better job placement.
- Enhanced UI with React, TypeScript, HTML5, CSS3, and Bootstrap for accessibility and ease of use.
- Creating RESTful APIs with Nodejs and Express with planned NestJS integration to manage user sessions and admin controls.
- Optimizing the platform for SEO to improve visibility on search engines like Google and Bing.

RUXAILAB | open source project |

[Github](#)

- Contributed to an open-source usability testing platform aimed at helping creators evaluate their projects.
- Improved UI design, enhanced login functionality, and optimized usability result handling.
- Documented features and resolved versioning issues to improve performance and maintainability.

Education

Master of Computer Applications – JKC College Guntur

2023 – 2025

Bachelor of Science – JKC College Guntur

2020 – 2023

Certifications

- Fullstack Web Development by Angela Yu (Udemy)
- Fundamentals of AI by **IBM Academy**
- Microsoft AI skills challenge by **Microsoft**
- Cyber Security entry level technician by **Palo Alto Networks**