

Mannem Raju

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SUMMARY

Dynamic Software Engineer with nearly 2 years of expertise in designing and developing digital products and delivering optimized solutions in team oriented environments.

- Solid grasp on responsive and mobile first design, converting UI to actionable applications using Nextjs, Reactjs, Redux, JavaScript ES6, Typescript, Chart.js, HTML5, CSS3 for creating cross browser compatibility interactive applications.
- Experience in developing and maintaining scalable APIs using Nodejs, Express, Typescript on AWS & Render.
- Good knowledge of agile methodology, software development best practices and architecture patterns.
- Familiar with user centered design and UX design using Figma and Canvas, following best practices.
- Built responsive data visualizations using chartjs for real time and AI driven insights for dashboards.
- Deep understanding of build tools and module bundlers Vite, Webpack, Babel, Estlint, Bun, and pnpm, npm for efficient development and project setup.
- Worked on SQL and NOSQL Databases like Apolloserver, GraphQL, Prisma, PostgreSQL, MongoDB, DynamoDB, RESTful APIs and data modeling principles.
- Proficient in using Git, GitHub and Gitlab version controls, and setting up CI/CD pipelines with GitHub Actions to automate deployments.
- Experience of AWS services are Lambda, Apprunner, EC2, ECS, S3, CloudFront, CloudWatch, IAM, Vercel for deploying and scaling web applications.
- Experience with Linux and Ubuntu operating systems, configured servers and automated tasks using Bash shell scripts.
- Used Terraform to define and manage cloud infrastructure, with experience in maintaining state using Terraform Cloud.
- Involved in a team to create technical documentation, resolved production errors with effective troubleshooting and debugging.
- Passionate of product engineering and solving real world problems, with a strong interest in customer centric development, particularly in healthcare, education banking domains.
- Desire and willingness to learn new technologies and deliver results in a timely manner, ability to work independently.

FUNCTIONAL SKILLS

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|-------------------------------|----------------------------------|--------------------------------|
| • WebApplication Development | • Responsive Web Design | • API Testing & Debugging |
| • User Experience Enhancement | • System Stability & Performance | • Project Management |
| • Operational Efficiency | • Cloud Deployment & Management | • Cross platform Compatibility |
| • Requirement Analysis | • Unit Testing | • Front End Development |
| • Code Quality Assurance | • API Development & Integration | • Agile Methodologies |

TECHNICAL SKILLS

Front end	React , Nextjs, Redux, TypeScript, JavaScript ES6, HTML, CSS, Tailwind, Jquery, Motion
Back end	Node JS, Express JS, Bun, Python
Databases	PostgreSQL, MongoDB, Oracle SQL / PLSQL
API	Apollo server, GraphQL, Rest API
Cloud	AWS Apprunner, Lambda, S3, CloudFront, IAM, CloudWatch, ECS, EC2, Vercel, Firebase, Pythonanywhere
Devops	Linux, Bash, Github Actions CI/CD, Terraform
Tools	Jira, Prisma, ESLint, ESBUILD, Babel, Figma, Canva
Version Control	Git, GitHub, GitLab
Data Visualization	Chart.js, Tableau

EXPERIENCE

Full Stack Developer

Zeus Systems Inc, Remote

Feb 2024 – Present

- Developed high performance responsive components Using Nextjs, ReactJS with Tailwindcss, TypeScript, JavaScript, jQuery and Nodejs for various Clients

- Implemented OCR using Tesseractjs and pdfjs-dist to recognize text from images and scanned pdf, generated dynamic pdfs and images using jspdf and html-to-image packages.
- Developed a scalable APIs using Nodejs, JavaScript, TypeScript, Express, ESLint, and ESBuild for bundling, enabled binary file processing.
- Created SQL database schemas with Prisma and PostgreSQL, modeling one to many relationships tables and schemas.
- Defined Apollo GraphQL types, resolvers, queries and mutations and managed data fetching/caching strategies.
- Defined and maintained MongoDB NOSQL schemas and relations to manage dynamic product data while optimizing CRUD operations
- Implemented authentication using OAuth, Nextauth, JWT and JWE to securely store and access data.
- 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, Apprunner, Lambda, IAM, and CloudWatch.
- Involved in deploying backend on AWS Lambda, setting up API Gateway and CloudWatch for accessibility and logging.
- Debugging, testing, and optimizing applications for performance, accessibility, and scalability across different browsers and devices.
- Actively participating in code reviews and knowledge sharing sessions to uphold coding standards, promote team collaboration, and improve overall code quality.
- Helped clients grow their businesses using digital services such as search engine optimization (SEO) and keyword ranking, by strategically placing the most relevant keywords into appropriate.
- Worked in different domains like e-commerce, Food, Shopping, Health Care, API Software, etc.
- Optimizing websites to enhance load times and ensure the best user experience by optimizing website code files, images, and other elements.

EDUCATION

Master of Computer Applications, JKC College Guntur	2023 – 2025
Bachelor of Science, JKC College Guntur	2020 – 2023

CERTIFICATIONS

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- 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**