SWATHI NAYUDU

FULL-STACK ENGINEER

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PROFILE

A highly skilled full-stack engineer with 8+ years of experience in designing, developing, and architecting dynamic web applications using Angular, Vue, and Node.js. Proficient in front-end development, microservices architecture, and design systems, with a proven ability to quickly learn new technologies and deliver innovative, scalable solutions.

WORK EXPERIENCE

2024, Sep - 2024, Dec
Product Manager Accelerator | Louisville, U.S

Senior Software Engineer

- Migrated a legacy Angular application to a modern Vue.js-based architecture.
- Developed reusable modules leveraging micro-frontend architecture using Webpack Module Federation for scalable and maintainable code.
- Designed and architected application modules with a focus on reusability and component-driven development.
- Collaborated closely with the product managers during brainstorming sessions to shape and refine product design.
- Implemented test-driven development (TDD) practices using the Jest framework to ensure robust and reliable code.

2018, Nov - 2021, Apr
Berkadia Services Ind Pvt Ltd l Hyderabad, India.

Senior Software Engineer, UI/UX

- Developed dynamic user interfaces using Angular and Vue.js frameworks.
- Built scalable and efficient microservices with Node.js and Nest.js.
- Led the integration of a scalable design system to ensure UI/UX consistency across multiple projects.
- Performed code reviews and accessibility audits in collaboration with UX teams to maintain quality and compliance.
- Collaborated extensively with stakeholders, product managers, and UX designers to align on project goals.
- Conducted training sessions on design system usage and best practices.

EDUCATION

2024 - 2025
TRINE UNIVERSITY

- Master of Science in Information Studies

2009 - 2013
JNTU - HYDERABAD

- Bachelor of Technology in Electrical & Electronics Engineering
- GPA: 3.7 / 4.0

SKILLS

- HTML
- CSS
- JavaScript
- TypeScript
- Vue
- Angular
- React
- Test Driven Development
- Webpack
- Vite
- Material UI
- Bootstrap
- Tailwind CSS
- Node.js
- Nest.js
- Express.js
- RESTful API
- Microservices
- Swagger
- Postman
- AWS
- Azure
- Docker
- Kubernetes
- CI/CD Pipelines
- Agile

2016, Oct - 2018, Nov
Zensar Technologies | Hyderabad, India
Software Engineer

- Developed a single-page application using Angular, significantly enhancing user experience and load times.
- Boosted user engagement by implementing geolocation-based content customization.
- Actively contributed to team knowledge-sharing sessions and participated in organizing team-building activities.
- Ensured UI design adhered to accessibility principles, enhancing usability for diverse user groups

2013, Sep - 2016, Sep
TechAspect Solutions l Hyderabad, India.
Software Engineer

- Crafted dynamic web interfaces using Bootstrap framework and core web technologies including HTML, CSS, and JavaScript.
- Implemented ARIA roles and HTML5 to ensure WCAG 2.2 compliance.
- Created and maintained comprehensive project documentation to support development and onboarding processes.

PROJECTS & ACHIEVEMENTS

- Developed AI-powered dashboards to analyze and visualize key business insights.
- Led a performance optimization project, reducing load times by 40% for a high-traffic SaaS application.
- Conducted accessibility training sessions to improve WCAG compliance across development teams.
- Served as a shared resource across multiple teams and projects, demonstrating adaptability and consistently delivering high-quality results.