

Shravanthi Vadrevu Radha

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Lead Software Engineer

Lead Software Engineer with over a decade of experience delivering scalable, user-focused web applications. Skilled in guiding cross-functional teams, shaping technical direction, and mentoring developers while contributing hands-on to high-impact features. Proven success in building design systems, architecting complex UI solutions, and partnering with product and design to deliver measurable business outcomes.

SKILLS

Accessibility, CI/CD, Code Review, Cross-browser compatibility, Data Visualization, Performance optimization and scalability techniques, Responsive Web Design, REST APIs, State management, Unit Tests

Frontend Development: CSS3, Data Visualization, Docker, Figma, Git, GraphQL, HTML5, JavaScript, Jest, jQuery, Material UI, ReactJS, React Testing Library, Redux, Tailwind, TypeScript, VitePress, Vue3, Web Application Development

Soft Skills: Mentoring and Coaching, Project Leadership, Technical Strategy

Back end Development: AWS, Full Stack Development, Java, MySQL, Node.JS, REST APIs

WORK EXPERIENCE

Capital One • McLean

2024 - Present

Senior Full Stack Engineer

- **Contributed to** the development of Capital One's Enterprise CaaS platform, a modernized UI for scalable, reusable content delivery, helping onboard internal customer teams and driving adoption through key feature enhancements
- Onboarded 12 downstream product teams, enabling them to integrate reusable content delivery into applications serving millions of users
- **Enhanced** content authoring efficiency by 70% and reduced content errors by 60% through contributions to the Experience Builder, a visual interface for non-technical authors.
- **Developed** a VitePress mock application as a live development guide, reducing enterprise team onboarding time by 50%.
- **Extended** the Tiptap rich text editor with custom plugins and toolbar buttons, streamlining workflows and giving authors more control over component insertion and formatting.
- **Collaborated** with downstream application customers to understand integration needs, provide onboarding support, and ensure smooth adoption of platform capabilities.
- **Coordinated** project planning for the Experience Builder, aligning with product managers and delegating development tasks to ensure timely delivery that met stakeholder requirements.
- **Achieved** a 70% reduction in time-to-publish and a 60% decrease in content errors by contributing to the Experience Builder, a visual interface for non-technical content authors.

Science Logic • Reston, VA, USA

2019 - 2024

Software Engineer

- Designed and developed user-friendly data visualizations using High Chart libraries, leading to a 15% improvement in **data comprehension** and a more intuitive user interface.
- Developed and maintained backend services, including crafting GraphQL schemas and API requests, resulting in a 25% improvement in data retrieval speed and enhanced application performance within 3 months.
- Led the creation of a comprehensive design system that enabled the engineering team to reduce development time by 30%, ensuring platform-wide design consistency.
- Optimized widget customization process, resulting in a 40% increase in user satisfaction and a more personalized experience for customers.

- Improved testing efficiency by 70% and product quality through implementation of automated testing using Jest and React Testing Library, resulting in significant time and resource savings.
- Streamlined documentation of design solutions for new components, resulting in 20% reduction in errors, improving overall product quality.
- Led a major refactor of the legacy **Redux** architecture, improve code clarity and maintainability to significantly reduce the risk of bugs in future development.
- Collaborated with designers using **Figma** to create and refine UI components, resulting in a 80% improvement in design consistency and a more streamlined development process

Codebroker • Reston, VA, USA

2015 - 2018

Web Application Developer

- Customized and enhanced the customer-facing UI interface, resulting in a 40% improvement in page load speed and a 50% increase in user retention, positively impacting the organization's success.
- Implemented accessibility guidelines for mobile coupons and sign-up forms, ensuring compliance with ADA standards and enhancing user experience for all.
- Designed and implemented a user-friendly UI for the development portal, clarifying API usage for new and existing clients, leading to a measurable improvement in application efficiency and user engagement.
- **Built** a reminder notification feature that improved task management and increased user productivity by 25%.

Infosys • Chennai, Tamil Nadu, India

2012 - 2013

Senior Systems Engineer

- Developed utility classes to retrieve and insert clone id into a table, leading to enhanced server identification during error handling.
- Improved Payee creation process through efficient query preparation and framework compliance, resulting in faster bill payments for customers.
- Utilized deep understanding of web application development to deliver a robust software product, leading to a 40% increase in user satisfaction and a 20% improvement in overall system reliability, driving business growth and profitability.

CGI (Logica) • Bengaluru, Karnataka, India

2010 - 2012

IT Consultant

- **Built** and maintained the Customer Repository component of a payment processing system, contributing to unit and integration tests
- Developed and maintained a high value payment processing system based on Struts and MVC pattern, resulting in a 15% increase in processing speed. Ensured the seamless functioning of the Customer Repository component, leading to improved efficiency and customer satisfaction.

EDUCATION

Bachelor's Computer Science • Sastra University • Tamil Nadu, India • GPA: 4.1

2005 - 2009

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

2025 - 2028

Amazon Web Services

VOLUNTEERING & LEADERSHIP

CodePath's Resume Review

Mentored 3 computer science students through CodePath's Resume Review week.

United Way of NorthEast louisiana

2024 - 2024

Web Developer

Participated in the Tech Pro Bono initiative to help with refactoring the Dollar and Sense app that requires a refresh to improve its functionality and user experience.