

Shravanthi Vadrevu Radha

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Senior Full Stack Engineer

Senior Software Engineer with over a decade of experience leading project teams and delivering robust full-stack applications. Proficient in JavaScript, TypeScript, Node.js, GraphQL, REST APIs, React, and Vue, with specialized experience in domains such as CMS and network monitoring. Committed to crafting exceptional user experiences, writing clean, scalable code, mentoring team members and setting technical direction

SKILLS

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

Frontend Development: CSS3, Data Visualization, Docker, Figma, Git, GraphQL, HTML5, JavaScript, Jest, jQuery, Material UI, ReactJS, React Testing Library, Redux, Tailwind 3.4, TypeScript, VitePress, Vue3

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

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

WORK EXPERIENCE

Capital One • McLean

07/2024 - Present

Senior Full Stack Engineer

- **Implemented** development of Capital One's Enterprise CaaS platform, a modernized UI built for scalable, reusable content delivery, helping onboard internal customer teams and contribute key features to accelerate adoption.
- **Managed** project planning and execution for the Experience Builder, delegating tasks to team members and coordinating with product managers to ensure on-time delivery and alignment with stakeholder requirements
- **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.

Science Logic • Reston, VA, USA

09/2019 - 06/2024

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

11/2015 - 08/2018

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

03/2012 - 10/2013

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

01/2010 - 03/2012

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

05/2005 - 05/2009

CERTIFICATIONS

AWS Certified Solutions Architect – Associate

05/2025 - 05/2028

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

08/2024 - 11/2024

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.