

# Anusha Ventrapragada

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## Professional Summary

Senior Front-End Developer with 6+ years of experience delivering scalable, accessible Next.js and React applications. Improved Core Web Vitals to 95+ through SSR/SSG optimizations, reduced page load times by 40%, and ensured WCAG 2.2 compliance. Skilled in agile sprints, CI/CD pipelines, code reviews, and cross-functional collaboration to drive business-focused, production-ready solutions.

## Technical Skills

- **Languages & Frameworks:** JavaScript (ES6+), TypeScript, React, Next.js, Node.js, Redux, HTML5, CSS3, SASS, Tailwind CSS, Bootstrap
- **Tools & Platforms:** AWS Lambda, Twilio UI, Vercel, Webpack, Vite, npm, Git, JIRA, Visual Studio Code
- **Practices:** Performance Optimization, Accessibility (WCAG 2.1), SEO, CI/CD, Agile (Scrum), Unit Testing (Jest/RTL), Problem Analysis
- **Additional:** REST APIs, Serverless Architecture, Cross-Browser Testing, Chrome DevTools, Contentful CMS, JSON, Web Services

## Professional Experience

### HGS Digital

**Dec 2018 - Present**

*Sr. Software Engineer*

*Chicago, IL*

- Architected and maintained scalable React/Next.js applications integrated with Contentful CMS using Visual Studio Code, enabling non-technical teams to update content independently and reducing publishing turnaround by 30%.
- Implemented SSR/SSG/ISR optimizations in Next.js to improve performance, SEO ranking, and global content delivery.
- Developed custom Twilio React plugins and integrated AWS Lambda serverless Web Services functions to support advanced communication workflows, improving customer engagement and reducing operational overhead.
- Led performance initiatives using lazy loading, route-level code splitting, asset optimization, and bundle analysis.
- Improved Core Web Vitals (LCP, FID, CLS) and raised Lighthouse scores from the 70s to consistently 95+.
- Achieved a 40% reduction in average page load times across major flows, improving retention and SEO visibility.
- Implemented Google Analytics, Twilio Segment, and custom event-tracking pipelines using JSON schemas, increasing conversion and behavioral tracking accuracy by 20%.
- Partnered with SEO and analytics teams to ensure schemas, metadata, and event instrumentation aligned with business KPIs.
- Built a library of 20+ reusable, accessible UI components using Tailwind + SASS, standardizing the design system and reducing development cycles by ~35%.
- Ensured WCAG 2.1 AA compliance and improved accessibility scores to 90+.
- Owned features end-to-end, conducting thorough problem analysis, technical investigation, and architecture design through to deployment, QA, and post-launch monitoring.
- Served as a key technical partner in Agile sprints across product, design, and engineering teams, ensuring clarity of requirements, accurate estimations, and alignment with long-term platform goals.
- Recognized for consistently delivering complex features on time with high reliability and minimal escalation.

### Audentio, LLC

**Jan 2018 - Sep 2018**

*Web Developer*

- Built responsive React + SASS applications with Bootstrap components and collaborated closely with backend teams for seamless data integrations.
- Developed custom WordPress themes/plugins including analytics integrations and content-editing workflows.
- Shipped responsive, cross-browser components that reduced QA cycles by 15% and improved overall user experience.

## Education

### Northern Illinois University

**2017**

*M.S., Computer Science*

### V.R. Siddhartha Engineering College

**2015**

*B.S., Computer Science*