

Koushica Bosadi Ulaganathan

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PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 4 years of experience building scalable, high-performance web applications using React, Vue, Node.js, and TypeScript. Strong expertise in strict TypeScript implementation, component architecture, and performance optimization. Experienced in leading code quality initiatives, migrating legacy systems to modern stacks, and delivering measurable improvements in system reliability and user experience. Adept at leveraging AI-assisted development tools to accelerate productivity while maintaining production-grade code quality.

SKILLS & QUALIFICATIONS

Languages: TypeScript(Advanced), JavaScript (ES6+), HTML5, CSS3, SQL
Front-End: React.js, Next.js, Vue.js (2/3), Redux, D3.js, Tailwind CSS
Back-End & Data: Node.js, Express.js, MongoDB, MySQL, RESTful APIs, JSON
DevOps & Productivity: Github Copilot, Git, CI/CD, Jest, Docker, JIRA, Figma
Methodologies: Agile/Scrum, Object-Oriented Programming, Data Structures & Algorithms
Other: Tableau, Drupal, Omni CMS

PROFESSIONAL EXPERIENCE

One Community | Software Engineer | Remote | Oct 2024 - June 2025

- Architected a real-time Geospatial Visualization dashboard using React and D3.js, enabling seamless rendering of global user metrics with zero-latency performance.
- Lead Code Reviewer for a distributed team of 15+ engineers, enforcing strict TypeScript standards and architectural compliance, resulting in a 35% reduction in production bugs.
- Accelerated development velocity by 25% by integrating GitHub Copilot into the workflow for unit test generation and boilerplate reduction.
- Engineered SEO-optimized dynamic metadata systems and a real-time payment/wishlist feature, significantly enhancing platform discoverability and user engagement.
- Implemented a fully responsive Dark Mode architecture using Tailwind CSS, improving accessibility and UI consistency across the application.

Vezham Technologies | Software Engineer | Remote | June 2022 – Jan 2023

- Introduced strict TypeScript standards across the frontend codebase, reducing runtime errors by 35% and improving long-term maintainability.
- Redesigned CMS user interface using React.js and Tailwind CSS, improving usability and reducing onboarding time.
- Implemented backend performance optimizations with Node.js and TypeScript, reducing page load times by 30%.
- Built modular, reusable React component libraries to standardize UI development and accelerate feature delivery.
- Developed a custom markdown editor package in React, improving content creation efficiency.
- Increased test coverage using Jest and strengthened CI/CD pipelines to improve release stability.

Zoho Corporation | Software Engineer | Chennai, India | Aug 2019 – Nov 2021

- Modernized core product features by transitioning from legacy architecture to Vue.js (Vue 2 → Vue 3), improving scalability and long-term maintainability.
- Diagnosed and resolved critical memory leak issues, reducing page load times by 42% and improving application stability.
- Designed reusable UI component libraries (forms, calendars, dropdowns) to standardize development and accelerate future feature implementation.
- Built interactive rule configuration interfaces and chatbot-driven workflows using Vue.js to enhance customer experience.
- Improved team collaboration by enforcing structured Git workflows and conducting regular peer code reviews.

EDUCATION

M.S., Information Systems & Technologies - GPA: 4.0/4.0

University of North Texas | May 2024

B.E., Electronics & Communication Engineering - GPA: 3.2

Anna University | April 2019