**Megha Gupta**

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**SUMMARY**

Frontend Software Engineer with 10+ years of experience building performant, scalable web applications with modern frameworks like React.js, Next.js, and TypeScript. Passionate about crafting AI-integrated user experiences and deploying data-rich, customer-facing interfaces. Proven success in driving CI/CD automation, core web vitals optimization (TTI, LCP, FCP), and cross-functional collaboration with product, design, and ML teams. Adept at fast-paced environments and shipping high-quality UI features with Next.js, Tailwind, GraphQL, and modern testing frameworks.

**TECHNICAL SKILLS**

**Languages & Frameworks:** JavaScript (ES6+), TypeScript, React.js, Next.js, Node.js, HTML5, CSS3, GraphQL, RESTful APIs

**State Management & Architecture:** Redux, Context API, Zustand, Micro Frontends, Monorepos, Module Federation

**Testing & Quality:** Jest, React Testing Library, Cypress, TDD, E2E Testing, Lighthouse audits

**Tooling & DevOps:** Webpack, Vite, Babel, Git, Jenkins, GitHub Actions, Azure DevOps, CI/CD automation

**UI/UX & Performance Optimization:** Code splitting, lazy loading, responsive design, accessibility (WCAG 2.1), performance profiling, bundle analysis, dependency graph visualization

**Data & Visualization:** D3.js, Chart.js, dashboarding frameworks, analytics integration (Amplitude, GA)

**Other Practices:** Agile/Scrum, Design Systems (Storybook, Figma integration), component libraries (Material UI, Ant Design), A/B testing

**EXPERIENCE**

WALMART LABS, Sunnyvale, California

**Software Engineer,** 2019-2025

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* Spearheaded the rebuild of Walmart.com using **ReactJS**, **TypeScript**, and **Next.js**, delivering scalable and intuitive front-end architecture for millions of users.
* Delivered core enhancements in **Cart and Checkout** workflows, emphasizing **performance**, **accessibility**, and **AI-driven user insights** through analytics tools (Amplitude, GA).
* Partnered with cross-functional teams including **product managers**, **UX designers**, and **platform engineers** to drive **user-centric innovations** and **interactive flows**.
* Led CI/CD performance initiatives, reducing pipeline time by **70%**, supporting a rapid deployment culture.
* Applied **code-splitting**, **lazy loading**, and **profiling** tools to improve Lighthouse metrics and user-perceived performance.
* Drove integration of orchestration layer APIs to streamline backend communication and data fetching strategies, ensuring high responsiveness and data fidelity in enterprise-scale apps.

ALASKA AIRLINES (formerly Virgin America), Burlingame, California

**Software Engineer,** 2015-2019

* Led frontend development for high-visibility features across **check-in**, **loyalty**, and **shopping** platforms, focusing on UX improvements and real-time system performance.
* Led a four-member team as both Scrum Master and developer; collaborated with offshore teams, BAs, and PMs for seamless delivery.
* Designed and built an interactive flight route map, using JavaScript, HTML / CSS, and .NET, deployed across DEV, QA, and Prod via CI / CD pipelines on Azure.
* Spearheaded Azure POCs, including site migrations, Azure Functions, and scalable Sabre gateway monitoring services.
* Enhanced mobile check-in and redesigned the reservation page for AlaskaAir.com to improve UX and responsiveness.

**ADDITIONAL EXPERIENCE**

EATON, Peachtree City, Georgia, **AngularJS Developer,** 2015-2016 Built responsive hybrid WCL application, using Ionic and AngularJS, compatible with mobile devices and various web platforms. Integrated Cordova plugins, Angular modules, and providers. Created custom Angular directives and templates.

OOYALA, Santa Clara, California, **AngularJS Developer,** 2015

LOUDDOOR LLC, Columbia, South Carolina, **Software Engineer,** 2014

EDENS: CONNECTIVE RETAIL, Columbia, South Carolina, **Technology and Marketing Intern,** 2013-2014

UNIVERSITY OF SOUTH CAROLINA, Columbia, South Carolina, **Graduate Assistant,** 2012-2014

SHODOR EDUCATION FOUNDATION, INC., Raleigh-Durham, North Carolina, **Software Developer,** 2013

**EDUCATION**

UNIVERSITY OF SOUTH CAROLINA,Columbia, South Carolina

**Master of Science (M.S.), Computer Science,** 2014

INSTITUTE OF ENGINEERING AND TECHNOLOGY, DAVV, Indore,Indore

**Bachelor of Engineering (B.E.), Electronics & Telecommunication,** 2012

**PUBLICATION**

*Differential Serving, Walmart Labs,* 2020