Megha Gupta

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Trying to build a better world!!

Professional Summary

• Front-End Software Engineer at Walmart Labs with 10+ years of experience building scalable, high-performance applications across e-commerce, travel, and media domains.
• Specialized in delivering seamless user experiences through modern UI frameworks, performance optimization techniques, and intuitive design.
• Proven track record of boosting system efficiency and developer productivity through infrastructure improvements and CI/CD automation.
• Experienced in optimizing site performance metrics, streamlining development workflows, and contributing to microservices and DevOps practices in agile environments.

Technical Skills

• Languages & Frameworks: JavaScript, TypeScript, ReactJS, HTML, CSS, NodeJS, NextJS, RESTful APIs, GraphQL
• Front-End Tools & Practices: Redux, Webpack, Git, Agile/Scrum, TDD, performance profiling, Dependency Graph visualizer etc.
• UI Optimization: Code splitting, lazy loading, Lighthouse audits, responsive design.

Work Experience.

Walmart Labs, Sunnyvale, CA

Software Engineer | March 2019 – Present

• Rebuilt Walmart.com from scratch as part of the Glass project, using React, TypeScript, and orchestration layer (OL) APIs to deliver a performant and scalable frontend.
• Designed and implemented OL (Orchestration Layer) integrations to efficiently fetch and manage backend API responses, improving page load times and system reliability.
• Developed and enhanced core features in the Cart and Checkout flows, ensuring scalability and high performance during peak traffic events (e.g., Black Friday).
• Led initiatives to optimize CI/CD pipelines, including implementing dependency graph visualization, resulting in a 70% reduction in CI time across teams.
• Improved frontend performance metrics (TTI, FCP, LCP) through code splitting, lazy loading, and performance instrumentation.

Alaska Airlines & Virgin America, Burlingame, CA

Software Engineer | 2015 – 2019

• Played a key role in the integration of Virgin America into Alaska Airlines, leading development for codeshare, shopping, check-in, loyalty, and credit card features.
• Led a 4-member team as both Scrum Master and developer; collaborated with offshore teams, BAs, and PMs for seamless delivery.
• Designed and built an interactive flight RouteMap 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.

Ooyala, Eaton, LoudDoor LLC, Edens Connective Retail, Shodor Education Foundation, University

Software Engineer / Analyst | 2011 – 2015

- Delivered full-stack solutions across industries, including media, IoT, retail analytics, and education.
- Developed microservices and real-time data pipelines, enhancing system scalability and customer insights.
- Automated testing and continuous delivery, accelerating go-to-market timelines.

Education
- MS in Computer Science, University of South Carolina–Columbia (2012-2014)
- B.E. in Electronics & Telecommunication, IET DAVV, Indore (2008-2012)

Highlights
- 10+ years of software engineering experience with an emphasis on high-performance, cloud-native applications.
- Successfully reduced CI time by 70% using dependency graph-based optimization at Walmart Labs.
- Adept at cross-functional collaboration and mentoring team members on engineering best practices.