ABILASH MUNDLUR

Full Stack Software Engineer

Dallas–Fort Worth, TX

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Work Authorization: U.S. Permanent Resident (No sponsorship required)

SUMMARY

Full Stack Software Engineer with 7+ years of experience designing and delivering highly scalable, data-driven, and performance-critical web platforms for enterprise and consumer-facing systems. Strong expertise in React, TypeScript, Node.js, and cloud-native architectures, paired with solid backend and database ownership.

Experienced in building end-to-end systems spanning frontend architecture, API design, database modeling, data pipelines, and CI/CD automation. Known for translating complex business requirements into reliable technical solutions, optimizing data flows, and delivering production-grade software at scale.

CORE TECH STACK

Frontend: React, TypeScript, JavaScript (ES6+), Next.js, Redux, Redux-Saga, Redux-Thunk, React Hooks, Material UI, Ant Design, Bootstrap, Tailwind CSS, SASS, CSS3, CSS-in-JS, HTML5

Backend: Node.js, Express.js, Python (Flask, FastAPI), ASP.NET Core, REST APIs, GraphQL, OAuth2, JWT

Databases & Data: MongoDB, MySQL, SQL, NoSQL, Azure Blob Storage, CSV/JSON ingestion, data aggregation and reporting pipelines

Cloud & DevOps: Microsoft Azure, Azure App Services, Azure Functions, Azure DevOps, Docker, Kubernetes, CI/CD pipelines, Railway

Testing & Tools: Jest, Mocha, Cypress, Jasmine, Git, GitLab, GitHub, Jira, Swagger / OpenAPI, Babel, Vite, Postman, Webpack

AI-Augmented Engineering: GitHub Copilot, AI-assisted refactoring, testing, and code review workflows

PROFESSIONAL EXPERIENCE

Ziosk – Full Stack Software Engineer | Plano, TX | Jun 2024 – Present

• Architected and delivered large-scale React and TypeScript applications powering enterprise restaurant platforms used nationwide.

• Led frontend system design, defining reusable component libraries, shared state management, and performance optimization strategies.

• Built backend services using Node.js and Express, integrating with distributed Python and .NET microservices.

• Designed and implemented data models and schemas in MongoDB and MySQL to support high-volume transactional and analytical workloads.

• Developed data ingestion and aggregation pipelines to process event streams, persist normalized datasets, and expose analytics-ready APIs.

• Optimized database queries, indexing strategies, and API payloads to improve response times and reduce backend load.

• Deployed cloud-native services on Azure using Docker and automated CI/CD pipelines.

• Implemented secure authentication and authorization using OAuth2 and Azure Active Directory.

• Monitored production systems using Application Insights, identifying performance bottlenecks across UI, API, and database layers.

• Mentored engineers through code reviews, design discussions, and best-practice guidance.

Verizon – Senior Frontend Engineer | Irving, TX | Feb 2022 – Jun 2024

• Built and maintained enterprise-scale React and TypeScript applications supporting high-traffic internal and   customer-facing platforms.

• Collaborated with backend and database teams to design REST APIs, data models, and payload contracts backed by MongoDB and relational databases.

• Built accessible, responsive interfaces following modern accessibility standards and enterprise UI guidelines.

• Consumed and validated data via RESTful services, implementing client-side pagination, filtering, sorting, and transformation logic.

• Supported database-driven features by coordinating schema changes and backward-compatible API updates.

• Delivered accessible, responsive UIs using Material UI and modern CSS standards.

• Supported containerized deployments and CI/CD workflows.

• Improved data reliability and UI stability through testing, logging, and cross-team reviews.

TechCloudUSA – Frontend / Mobile Engineer | Atlanta, GA | Aug 2021 – Feb 2022

• Developed React and React Native applications supporting Android phones and tablets.

• Built reusable UI components and shared state management solutions.

• Integrated REST APIs backed by SQL and NoSQL databases, handling authentication and secure data access.

• Implemented efficient client-side caching and data-fetching strategies.

• Optimized rendering performance and reduced unnecessary re-renders.

Chakravyuha Technologies – Software Engineer | Jan 2019 – May 2021

• Developed responsive web applications using React, JavaScript, HTML, and CSS.

• Implemented Redux-based state management for complex UI flows.

• Integrated REST APIs and worked with backend teams to align data contracts.

• Supported database-backed features and ensured consistent data presentation across browsers.

• Optimized application performance and ensured cross-browser compatibility.

• Collaborated with QA teams to validate data accuracy and resolve production issues.

EDUCATION

Master's in Business Analytics – Texas A&M University, Commerce

Bachelor's in Computer Science – VTU, India