

## Abilash Mundlur

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

### Professional Summary

Senior Software Engineer – Full Stack (Frontend Focus) with 7+ years of experience designing, architecting, and delivering scalable, resilient web applications using React, TypeScript, JavaScript (ES6+), Node.js, Python, and .NET. Strong background in frontend-first system design, building reusable UI components, and driving high-quality engineering practices across the full software lifecycle.

Proven experience working in microservices-oriented architectures, integrating extensible REST APIs, and deploying cloud-native solutions using Azure, Docker, and Kubernetes. Regular contributor to architecture discussions, design reviews, and code reviews, with a focus on maintainability, performance, security, and developer productivity.

Experienced in AI-augmented engineering workflows, leveraging tools such as GitHub Copilot and modern context-driven development practices to accelerate delivery and improve code quality. Comfortable mentoring engineers, promoting TDD and automated testing, and collaborating cross-functionally to deliver customer-centric, production-grade systems.

### Technical Skills

- Languages: JavaScript (ES6+), TypeScript, Python, C# (.NET), HTML5, CSS3
- Frontend: React, Redux, Redux-Saga, React Hooks, Next.js, Material UI, Ant Design, Bootstrap, Figma, Adobe Photoshop, Adobe Illustrator
- Backend: Node.js, Express.js, Python (Flask/FastAPI), ASP.NET Core, REST APIs, GraphQL
- Databases: MongoDB, MySQL (SQL & NoSQL)
- Cloud & DevOps: Azure App Services, Azure DevOps, Azure AD, Azure Storage, Azure Functions, Docker, Kubernetes
- AI: GitHub Copilot, AI-assisted development workflows, Context-driven code generation and review
- Testing & Tools: Jest, Mocha, Jasmine, Git, GitHub, GitLab, Webpack, Babel, Postman, Jira, Figma

### Professional Experience

#### Ziosk | Full Stack Developer (Plano, TX)

June 2024 – Present

- Scoped, designed, and built scalable Single Page Applications using React, TypeScript, Redux, supporting tablet, mobile, and desktop platforms.

- Led frontend architecture decisions, defining reusable component patterns and state management strategies across features.
- Built and integrated backend services using Node.js and Express, collaborating with Python and .NET microservices in a distributed system environment.
- Deployed and supported cloud-native applications using Microsoft Azure, Docker, and CI/CD pipelines, ensuring high availability and resilience.
- Participated in architecture and design reviews, influencing system design, API contracts, and frontend-backend boundaries.
- Leveraged AI-assisted tools (GitHub Copilot) to accelerate development, refactoring, and test creation while maintaining code quality.
- Applied strong security practices, including OAuth2 authentication with Azure Active Directory and secure API consumption.
- Mentored engineers through code reviews and technical discussions, raising the overall engineering quality of the team.
- Monitored production systems using Application Insights, proactively identifying and resolving performance and reliability issues.

#### Verizon | Senior Frontend Developer (Irving, TX)

Feb 2022 – Jun 2024

- Developed and maintained enterprise-scale UI modules using React, TypeScript, Redux, and Material UI, delivering responsive and accessible user experiences.
- Integrated frontend applications with backend services built using Node.js and Python-based REST APIs, ensuring efficient and secure data exchange.
- Collaborated with backend and database teams to define data models, API contracts, and payload structures for applications backed by MongoDB and relational databases (MySQL).
- Consumed and validated data from databases via RESTful endpoints, supporting CRUD operations, filtering, pagination, and data transformation at the UI layer.
- Implemented responsive UI designs using SASS and Material UI, optimizing performance and cross-device compatibility.
- Supported CI/CD workflows and containerized deployments using Docker and Jenkins, contributing to reliable cloud-based releases.
- Worked closely within Agile/Scrum teams, using Jira for sprint planning, task tracking, and issue management.
- Ensured high code quality through peer code reviews, unit testing, and collaboration with QA teams, reducing production defects.

#### TechCloudUSA | Frontend Developer (Atlanta, GA)

Aug 2021 – Feb 2022

- Built responsive web and mobile applications using React, React Native, TypeScript, and Redux, supporting Android phones and tablets with varying screen sizes and resolutions.
- Developed reusable, modular UI components following component-based architecture, improving code maintainability and reuse across multiple features.

- Integrated RESTful APIs for data retrieval and updates, handling authentication workflows using OAuth2 and token-based authorization.
- Implemented Redux and Redux-Thunk for state management and asynchronous API calls, ensuring predictable data flow and improved application stability.
- Utilized React Hooks such as useState and useEffect to manage component lifecycle and state efficiently.
- Collaborated closely with product owners and business analysts to gather requirements and translate them into technical solutions.
- Optimized application performance through efficient rendering strategies and minimized unnecessary re-renders.
- Fixed high-priority UI bugs in legacy React applications, improving overall user experience and application reliability.

#### Chakravyuha Technologies | Web Developer

Jan 2019 – May 2021

- Developed responsive and user-friendly web interfaces using HTML5, CSS3, JavaScript, and React, supporting mobile, tablet, and desktop browsers.
- Implemented Redux-based state management to handle complex UI interactions and maintain consistent application state.
- Integrated RESTful APIs using AJAX and JSON to enable dynamic data updates and reduce page reloads.
- Ensured cross-browser compatibility across Chrome, Firefox, Safari, and Edge by addressing layout and rendering inconsistencies.
- Applied performance optimization techniques such as efficient DOM manipulation and optimized CSS to improve page load times.
- Built reusable React components using JSX and followed best practices for unidirectional data flow.
- Collaborated with QA teams to identify, debug, and resolve UI issues during testing cycles.
- Used Git for version control and followed team workflows for branching, code reviews, and releases.
- Supported Agile development practices by completing assigned user stories within sprint commitments and addressing production issues as needed.

#### Education

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

Bachelor's in Computer Science – VTU, India