

Siddharth Deshpande

Software Engineer

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Frontend engineer with 5 years shipping and owning production web applications in React, TypeScript, and Next.js, with particular strength in **performance profiling, debugging, and deep optimization**. A strategic, collaborative builder who has spearheaded major initiatives as **sole frontend owner** at a NASDAQ-listed SaaS company, rebuilding a core accounting workflow used by thousands of customers (**82%** adoption) and diagnosing a cross-customer bottleneck for a **98%** search-performance gain. Comfortable across the stack with Node.js, with a design-systems bent and a habit of driving cross-team work to completion.

EXPERIENCE

Airbase (acquired by Paylocity, NASDAQ: PCTY) Software Engineer II

Remote
June 2024 – Present

- Owned and executed the full frontend rebuild of **Ledger Entries**, the page accountants use daily, as sole frontend engineer across **55+** tickets and **80+** PRs. Architected a multi-view **AG Grid** system spanning filtering, row grouping, bulk editing, search, and change management, and the rebuilt experience reached an **82%** adoption rate while improving page performance.
- Diagnosed a cross-customer **performance bottleneck** through profiling, pinpointing unmemoized recomputation of a **20,000+** item tag pipeline and an expensive diacritic-stripping search, then cut search latency **98%** (**1.7s** to **0.03s**) and modal load time **70%** (**2s** to **0.6s**) in a single PR that resolved simultaneous production escalations from three enterprise customers.
- Spearheaded the **Tag Optimization** initiative after identifying a systemic **scalability** issue, the frontend eagerly loading **50,000+** tags and crashing the mobile app, driving the redesign across **4+** squads toward a search-based loading model and becoming its top code contributor.
- Executed the complete **Public API onboarding** flow as sole frontend engineer across **11+** PRs, the first touchpoint for every API-integration customer, and proactively shipped UX safeguards beyond the original spec.
- Resolved **100%** of assigned customer escalations (**6/6**) through **systematic debugging** spanning production impersonation, root-cause analysis, and Sentry-driven diagnosis. Notable fixes included a race condition between asynchronous GL-provider fetching and dependent component mounting, and a null-reference crash in transaction history.
- Ramped from onboarding to owning a major feature within months on a large, unfamiliar codebase. Delivered a responsive fluid-layout redesign and a shared **design-system Table component** across Accounting and Settings, removed **28+** stale LaunchDarkly flags, migrated modules to TypeScript with custom coverage-tracking scripts, and authored **165** PRs across **5** projects in the first year.

Tekion Corp.

Bengaluru, India

Software Engineer II

September 2023 – June 2024

- Raised positive user feedback **27%** for a **customer-support chat system** serving **100+** US dealerships by independently spearheading its redesign and introducing virtualized message rendering, read receipts, and drag-and-drop file handling, improving engagement and reducing response times.

Software Engineer I

October 2022 – August 2023

- Owned the **Rule Engine** product, delivering a fully revamped UI for **200+** dealerships and executing features that expanded core product functionality.
- Engineered **innovative in-house utility packages**, including toggleable cache stores built on JS Proxies and an object-history tracker using a custom diffing algorithm benchmarked **10x** faster than popular alternatives.
- Mentored junior software engineers and interns, contributing to team growth.

Associate Software Engineer

July 2021 – September 2022

- Built **Rule Engine**, a modular workflow creation and management application, as one of a **2-person** frontend team, applying tree and graph algorithms to model complex data structures for a more flexible, robust system.
- Designed and shipped an **internal tool** in React for managing deployments, releases, and feature flags, used by **2000+** developers and dealership users.

SKILLS

Languages	TypeScript, JavaScript, Go, Python, HTML, CSS
Frontend	React, Next.js, Redux, React Query, Immer, State Management, Vue, Vuex, Tailwind CSS, SASS, AG Grid, Material UI, Ant Design, HTMX
Backend	Node.js, Express.js, REST APIs, GoFiber, Chi, Django
Tooling & Infra	Git, Webpack, Vercel, CI/CD, Storybook, Chromatic, shadcn/ui
Testing	Jest, React Testing Library
Strengths	Strategic Thinking, Team Management, Collaborative Implementation, Technical Leadership, Cross-functional Collaboration, Ownership

PROJECTS

PowUI powui.dev React · TypeScript · Tailwind CSS · Storybook · Chromatic · shadcn/ui · CI/CD
Comic-book-inspired open-source component library: **18** reusable, accessible, themed components for design systems, distributed via the **shadcn CLI**. Documented in Storybook with Chromatic visual-regression testing and a full CI/CD pipeline. Live and installable.

GoChess Go · chi · HTMX · WebSockets
Real-time multiplayer chess on a Go backend (chi, html/template) with an HTMX frontend, where **WebSockets** sync live game state while REST endpoints handle sessions and view updates. Supports live **2-player** games, spectator mode, and user sessions, with all chess logic (castling, en passant, promotion/underpromotion) implemented from scratch. A proof-of-concept for pushing real-time browser interactivity with HTMX instead of a SPA framework.

Naive Search Engine Go · HTMX · WebSockets
Concurrent web crawler and search demo using **goroutines and channels** for multithreaded, async communication and websockets for two-way streaming. A spider crawls and surfaces results in real time to illustrate how search engines work under the hood.

EDUCATION

B.Tech in Information and Communication Technology (ICT) August 2017 – July 2021
DA-IICT (Dhirubhai Ambani Institute of Information and Communication Technology)