

# HARSHAVARDHAN N

## Senior Frontend Engineer | Technical Lead

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## SUMMARY

Senior Frontend Engineer with 10 years' experience architecting frontend systems at scale. Track record of turning technical challenges into business wins, from unblocking enterprise customers through i18n systems to reducing development time by 55% via AI SDK migrations. Expert in React, Vue, TypeScript, and developer tooling.

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## TECHNICAL SKILLS

**Frontend:** React, Vue 3, TypeScript, Zustand, TanStack Query, Tailwind CSS

**Testing:** Playwright, Vitest, AI-powered test generation

**Backend/Infra:** Node.js, Python, GraphQL, MongoDB, AWS, GCP

**Specializations:** Frontend Architecture, Design Systems, i18n, Performance Optimization

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## EXPERIENCE

### Senior Software Engineer II Frontend - **Atlan**

**Aug 2022 - Present**

- Led frontend architecture for data infrastructure platform. Tech Lead for Discovery & Governance team (4 engineers), now leading App Distribution module.
- Architected Automation Studio — visual workflow builder with iframe-based plugin system, schema-driven forms using React Flow, Zustand, and TanStack Query
- Drove AI SDK migration across frontend codebase: 55% code reduction, 50-70% latency improvements, established patterns adopted org-wide
- Built Heimdall testing framework with AI-powered test generation from natural language specs; scaled to 515 automated test cases
- Transformed customer escalation into success: led i18n initiative that increased translation coverage from 10% to 95%, unblocking major French enterprise customer
- Delivered 60% improvement in initial load times through Vue.js performance optimization and lazy-loading strategies
- Mentored 4 engineers; recognized with 3 AI hackathon awards for automation tooling

### Senior Software Engineer - **SuperOps**

**Aug 2020 - Jun 2022**

- Owned end-to-end development of 4 core product modules (Project Management, Ticketing, Reporting, Admin) from zero to production
- Architected micro-frontend system using Webpack Module Federation, enabling independent team deployments
- Built reusable Kanban component adopted across 3 modules, reducing duplicate code by 40%

### Member of Technical Staff - **Zoho Corporation**

**Dec 2016 - Jul 2020**

- Built drag-and-drop form builder UI and extensible widget system for Zoho Creator, used by 100K+ users
- Developed dashboard visualization components and WYSIWYG editor features for Zoho's low-code platform

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## EDUCATION

### **B.E., Computer Science**

Government College of Technology, Coimbatore | 2013-2017

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## SELECTED ACHIEVEMENTS

- Drove org-wide adoption of AI-assisted development patterns and testing frameworks
- 3x winner of internal AI hackathons for developer productivity tooling
- Recognized as "AI-native engineer" — integrated AI tooling (Cursor, Claude, Stagehand) into daily workflows, influencing team adoption

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## TECHNICAL LEADERSHIP

- Led architecture decisions for frontend platform serving enterprise data teams
- Authored RFCs for AI SDK integration, testing infrastructure, and frontend monorepo patterns
- Mentored engineers across teams; established frontend best practices and code review standards