

# Hemant Agrawal

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## SUMMARY

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Senior Frontend Engineer with 5+ years of experience building scalable, high-performance web applications using React.js, Next.js, TypeScript, and Tailwind CSS. Strong expertise in frontend architecture, monorepo structures, component-driven development, performance optimization, and automated testing (Playwright, Jest, RTL). Possesses solid full-stack capabilities with hands-on experience in Node.js, Express.js, server-side rendering, REST API development, and Docker-based microservice workflows. Adept at designing end-to-end solutions, improving DX, and collaborating within Agile teams to deliver reliable, maintainable products.

## EXPERIENCE

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### CAW Studios (Chimpsatwork Studios Pvt. Ltd.)

May 2023 – Present

*Software Development Engineer II*

*Hyderabad, India*

- Led frontend ownership of 3 core B2B SaaS modules, architecting scalable React/Next.js codebases with reusable UI components and shared monorepo utilities.
- Enhanced UI performance by 45% by introducing route-based code splitting, ISR, image optimization, and refined hydration strategies in Next.js.
- Migrated legacy React flows to modern Next.js layouts and server components, cutting bundle size by 30% and improving navigation speed.
- Strengthened UI reliability by rolling out Playwright and React Testing Library-based suites with CI integration, reducing regressions across teams.
- Collaborated with designers to standardize design tokens and build a shared component library consumed across multiple micro-frontends.

### Fixcraft Pvt. Ltd.

May 2022 – April 2023

*Frontend Engineer*

*Gurugram, India*

- Revamped the architecture of 3 major React applications into Next.js, improving SEO, TTFB, and routing behavior for high-traffic landing pages.
- Applied Lighthouse- and WebPageTest-driven optimizations, including caching strategies, image compression, and asset trimming, reducing load times by up to 1.5 seconds.
- Developed reusable UI modules and shared workflows, decreasing feature development time by 30%.
- Executed CI pipelines for linting, testing, and deployment previews, enabling consistent and stable release cycles.

### Innostax Software Labs Pvt. Ltd.

Nov 2020 – May 2022

*Software Engineer*

*Gurugram, India*

- Built dynamic customer-facing dashboards using React and Next.js, contributing to onboarding 4 key enterprise clients.
- Applied frontend caching strategies, optimized API layers, and used virtualized lists to improve rendering performance for data-heavy screens.
- Advocated for test-driven development; executed Jest and RTL test suites to raise UI coverage to 85%.

## PROJECTS

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### Expense Tracker App | *Next.js, MongoDB, Tailwind, Chart.js*

2025

- Designed a full-featured personal finance and investment manager with responsive UI, reusable components, and optimized client-side caching.
- Introduced AI-driven cron jobs for portfolio valuation using OpenAI APIs, improving accuracy and reducing manual tracking effort by 40%.

### Notification Bot Platform | *Node.js, Docker, Web Push, WhatsApp, Telegram*

2024

- Built a modular and systematized notification platform with a dedicated frontend for PWA push alerts, automating 60% of daily reminders and updates.

## EDUCATION

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**Chandigarh University**

2021 – 2023

*Master of Computer Applications (MCA)*

**GLA University, Mathura**

2018 – 2021

*Bachelor of Computer Applications (BCA)*

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, HTML/CSS, Node.js

**Frontend:** React.js, Next.js, Tailwind CSS, PWA, Material UI

**Architecture:** Monorepos, Component Libraries, SSR/ISR, Performance Tuning

**Testing:** Playwright, Jest, React Testing Library

**DevOps & Tools:** Docker, GitHub Actions, CI/CD, Postman

**Databases:** MongoDB, PostgreSQL, Redis