

# Aman Singh Rajput

Hyderabad, India | rajput.aman900@gmail.com | +91 97706 10436 | [LinkedIn](#)

## About Me

Senior Engineer (~5 yrs) • Next.js / Vite + React / Angular • Built logical, scalable, high-performance platforms for 50k+ SKUs, focused on Core Web Vitals & clean code.

Portfolio: [View Live Portfolio](#)

## Key Skills & Tech

- **Frameworks & State:**  
Next.js, React (Vite, Redux, Zustand), Angular 17/18, Reactflow
- **UI Libraries & Design:**  
MUI, Ant Design, ShadCN/UI, NG-Zorro, Storybook
- **Languages Markup & Styling :**  
TypeScript, JavaScript (ES6+), Java (21), HTML5 (semantic), CSS3/SCSS, Tailwind
- **Backend & APIs:**  
Spring Boot (basic usage), RESTful APIs, JSON handling
- **Build & Tooling:**  
Vite, Webpack, Babel, npm & yarn workspaces, Husky, ESLint/Prettier
- **Testing & Quality:**  
Jest, React-Testing-Library, Cypress, Lighthouse, Core Web Vitals
- **Performance & A11y:**  
Bundle-size budgets, Chrome DevTools profiling, WCAG 2.1, CLS < 0.1
- **DevOps & Deployment:**  
Git/GitHub Actions CI, Docker, Agile/Scrum, Vercel/Netlify Preview Deploys
- **Expertise:**  
Secure coding (CSP/XSS), Core Web Vitals optimization, code reviews, team mentoring & ownership

## Work Experience

### Senior Software Engineer – ShyftLabs Nov 2022 – Present

**Stack:** Next.js 13 (app + page routers), Vite + React, Angular 18/17, Reactflow, TypeScript, Ant Design, MUI, ShadCN/UI, Tailwind, Webpack, Storybook, npm / yarn workspaces, Docker, Jest, Cypress

- **Data Weaver – low-code ETL canvas:** Designed and delivered the Reactflow front end, cut pipeline-build clicks **35 %** and hit **98 %** first-run success. Tuned bundle to **< 150 KB gzipped** via Webpack tree-shaking and route-level code splitting.
- **Dynamic Audience Targeting (RMN):** Shipped node-based targeting builder in < 8 weeks, marketers now create segments visually, driving a **22 %** lift in campaign adoption.
- **Carter AI assistant:** Embedded chat + canvas into RMN (Next.js + MUI), self-serve queries reduced support tickets **30 %** while keeping LCP < **1.4 s** on 3G.
- **CSV Chunk Parsing (Angular):** Re-engineered bulk SKU import with **Web Workers + file chunking (PapaParse)**—parses **~1 MB+ CSV (~50 k rows)** in **< 350 ms** vs. > 8 s for 100 KB files previously.
- **Data Weaver AI Agent (in progress):** Prototyping chat-driven pipeline generator—converts plain English into node graphs, integrates LangChain on the front end for schema suggestions.
- **Price Force dashboards:** Manage **50 k+** SKUs with sub-200 ms bulk updates, implemented dynamic imports & lazy loading to slice initial JS payload **45 %**.
- **Shopi (Angular 17):** Re-created SWELL-style storefront with SSR, inventory sync across 5 regions, CLS < **0.05**.
- **Storefront (first project):** Delivered Shopify inventory tracker MVP in 5 weeks, became reference repo for new FE hires.
- **Quality & Collaboration:** Authored Clean-Code + WCAG 2.1 AA guidelines, reviewed **1500+** PRs, mentored junior engineers, and raised Jest coverage **55 %** → **85 %**.

### Software Engineer – Accenture (Traveler’s Insurance) Jul 2021 – Mar 2022

**Stack:** React + Redux, Node/Express, Splunk JS SDK, MySQL, Snowflake, Teradata, **AWS S3, UrbanCode Deploy (UCD)**, Jenkins, Jest, Cypress

- Built analytics dashboards visualizing **5 M+** policy records, virtual scrolling & code-splitting cut first-contentful paint **25 %**.
- Authored a TypeScript, tree-shakable **chart-component library**, published via npm workspaces + semantic-release, now used by two product teams.
- Hardened CI/CD: integrated **UCD snapshotting** with Jenkins, storing artifacts in **AWS S3**, reduced release rollbacks **4 %** → **< 1 %**.
- Optimized SQL/Snowflake views and JSON APIs with data engineers, trimming query latency **20 %**.

### Junior Frontend Developer – Wipro (Wipro Connect HRMS) Sept 2020 – Jul 2021

**Stack:** Angular 11, SCSS, Jasmine/Karma, Git, Agile

- Refactored legacy components, fixed **30+** UI bugs, and raised Lighthouse accessibility **68** → **92**, CLS < **0.1**.
- Delivered an internal **infra-dashboard** that visualised storage-asset health, boosted team productivity **46 %** by automating manual Excel checks.
- Implemented ESLint + Husky pre-commit hooks, reducing post-merge style defects **70 %**.
- Supported bi-weekly releases with < 1 % rollback through rigorous QA collaboration and automated unit tests.

## Education

**B.tech. Computer Science & Engineering** – Chandigarh University 2016 – 2020 • Mohali, Punjab

**Relevant Coursework:** Data Structures & Algorithms · Object-Oriented Programming · Database Management Systems · Software Development Life Cycle

Personal Projects (Self-Learning & OSS)

- **Live Portfolio** | *Next.js 13 · Vite · Tailwind · Framer-Motion*
  - Built a responsive, SSR-ready personal site showcasing FE skills & projects.
  - Achieved **100 / 100** Lighthouse performance and < 1 s LCP via route-level code-splitting.
  - Automated Vercel CI previews on every PR, **live Portfolio**: [Click here](#)
- **Gmail Clone** | *React · Redux · Firebase Auth · Material UI*
  - Re-created Gmail interface with inbox, compose, and read views.
  - Implemented Google OAuth for secure login, real-time email CRUD via Firestore.
  - Deployed on Firebase Hosting, Lighthouse performance 95+ across the board.
- **LinkedIn Clone** | *React · Redux · Firebase Firestore · Material UI*
  - Built feed timeline with post composer, likes, and comments—mirrors LinkedIn UX.
  - Leveraged Firestore for live updates, image uploads stored in Firebase Storage.
  - Responsive layout (mobile ≤768 px) and custom share modals.
- **Expense Tracker** | *React · Context API · CSS*
  - Interactive PWA to log daily expenses, data persisted to localStorage.
  - Charts.js integration for weekly/monthly spend visualization.
  - Achieved < 300 ms UI interactions via memoized components.

Certifications

- 2022 • **Problem Solving** – HackerRank (Gold)
- 2022 • **Python (Basic)** – HackerRank

Interpersonal & Soft Skills

- Keen observational skills and detail focus
- Proven team player who also thrives in independent sprints
- Strong problem-solving mindset and analytical reasoning