Shubham Gautam

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EXPERIENCE

Headout, *Senior Software Engineer* April 2025 - Present

- **Led Design System V2 in React Native** — built from scratch with token-based theming, a modular component library, Turborepo workspace, CI build caching, and automated releases — reducing build time by **87% (4 mins → 30s)**.
- **Built Headout's DEX** (AI-guided audio tours) — took the internal content CRM from 0→1 with modules for script authoring, checkpoint tagging with attribute tuning, script-driven image placement, and tour previews.
- **Redesigned Headout app's (react-native) homepage** with dynamic, context-aware personalization (location & booking intent), improving conversion by 5.2% and CTR by 3.7%.

Headout, *Software Engineer* June 2023 - April 2025

- **Spearheaded the Headout Loyalty Program**, automating enrollment workflows, implementing retargeting campaigns, and defining progressive benefits — improving long-term retention and lifetime value.
- **Built a multi-experience cart system** and intermediate recommendation layer from scratch, enabling bundled bookings across experiences — contributed to a 3.75% increase in revenue.
- **Launched a self-credit refund system**, giving users the choice between instant credits and original refund method — processed $900K in cancellations in the first month, with $100K retained as Headout credits.
- **Built an intermediate combo up-sell stage during checkout**— led to an 11% increase in average order value.

Headout, *Software Engineer Intern* Nov 2022 - June 2023

- Developed a cross-platform coupon utility using React Native Web, enabling shared logic across app and web — led to ~20% increase in retention and drove multiple successful promotional campaigns.
- Worked on over **10 A/B experiments** using Next.js and React Native for web and apps, refining user recommendations and M0 user retention, with some experiments resulting ~25% CTR & ~7% CVR increase on recommendations.

Warmspace, *Software Engineer Intern* May 2022 - Jul 2022

- Increased React component test coverage from 3.1% to 21.3% by writing unit tests with Jest and RTL; integrated CI pipelines using GitHub Actions to automate testing.
- Migrated video conferencing SDK from Agora to Daily.co and enhanced app stability by fixing bugs and shipping new features using React and TypeScript.

Fellow, *Major League Hacking* Jul 2021 - Aug 2021

- Selected as a "Pre-Fellow" for Pod 3.1.0 among 10,000+ Applicants from across the world.
- **Developed a browser extension to boost developer productivity** by monitoring user pose, emotions, and attention.

PROJECTS

Sumedha | Link | *TypeScript (Node), PostgreSQL, Prisma, Docker, React*

- Recognized as a **finalist in Smart India Hackathon 2022**.
- Designed a modular, scalable **service-based MVC architecture** powered by a Dockerized Postgres instance.
- Containerized APIs and database using Docker; orchestrated services with Docker Compose.
- Leveraged Prisma ORM for migrations, query optimization, and dashboard-driven database management.

Break | Link | *React, Node.js, Express, MongoDB, Mongoose (ORM), Material-UI, JWT*

- Built a browser-based code editor with multi-language support and persistent execution history.
- Boosted execution speed via efficient process management using Node.js child processes.
- Secured APIs with robust JWT-based authentication and route protection.
- Improved UX with front-end caching, PWA support, and optimized DB indexing.

TECH TALKS

React Summit 2025	Scaling React Apps with Parallelism
React Day Berlin 2023	Exploring Advanced Web Storage APIs

EDUCATION

Rajasthan Technical University, *B.Tech in Information Technology* CGPA: 9.52 / 10.0 Jun 2019 - May 2023

Tech Finalist: Smart India Hackathon 2022 & Major League Hacking Fellow 2021
Lead: Google Developer Students Club 2022 | Postman Student Community | Mentored hackathons

SKILLS

Proficient	TypeScript, JavaScript, React, Next.js, Node.js, Build Tools (Webpack / Rollup / Babel)
Familiar	Design Systems, React Native, Jest, React Testing Library