

Sumit Ghosh

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Experience

GammaStack

May 2025 – Present

Frontend Engineer 1 – TypeScript, Next.js, GrapesJs, Redux, Micro Frontends

Bengaluru, India

- Led **Next.js** and **TypeScript** migration of **multi tenant** iGaming platform as part of a compact 3 person team from **React & GraphQL/Apollo**; owned **Zustand state management**, **config driven** features, hybrid **SSR/CSR**, **ISR** sitemaps, and dynamic theming cut loads 40% with sub **800ms** renders at 6k concurrent users across **22+** tenants.
- Engineered **iGaming Web Builder** using **GrapesJS** and **Module Federation** with **Next.js micro-frontends**, reducing tenant-specific code by **60%**, cutting onboarding from 3–4 weeks to **6** hours, and accelerating deployments by 70% with zero downtime, shipping **78kB** gzipped bundles and 65% lower DB load via **Redis/Mongo** caching.

Lean Platform Technologies

April 2023 – April 2025

Software Development Engineer 1 – React.js, Node.js, MongoDB, PostgreSQL, AWS

Goa, India

- Owned and scaled frontend features for The Product Platform (**10k+** MAU edtech app); redesigned **React.js** and **Redux** account and onboarding flows cut registration drop offs **50%**, raised completion rates.
- Delivered major performance gains via code splitting, **lazy loading**, **WebP/AVIF** optimization, **Motion.dev** animations, and **Redux Toolkit** best practices 8% faster loads, 5% higher conversions, **38%** fewer crashes.
- Integrated **PhonePe** payment gateway with secure checkout flows, real-time transaction tracking, and error handling; drove **120%** increase in successful transactions and 10% uplift in overall user engagement.

Projects

iGaming Web Builder | GrapesJS, Webpack Module Federation, TypeScript, Micro frontends, NextJs

- Multi tenant **JSON** driven web builder enabling casino operators to create and manage customized gaming sites.
- Architected **GrapesJS + Module Federation engine**, eliminated **90%** tenant specific code, cut onboarding from 3–4 weeks to 6 hours, and accelerated deployments **70%** with zero downtime updates of 12+ modules.
- Engineered isolated multi tenant **MongoDB + Redis** caching, optimized JSON to UI for sub 800ms loads (6k concurrent, 32+ tenants), cut DB load **65%**, and achieved 48 kB gzipped bundle.
- Built hierarchical **Super Admin / Tenant Admin RBAC** with reusable JSON templates and strict validation, cut onboarding errors **90%**, and securely managed 150+ production tenants with full audit trails.

The Product Platform | TypeScript, Swiper.js, Redux, Zod, React Hook Form

[Live Link](#)

- A comprehensive EdTech platform for product managers with interactive learning modules, **interview preparation tools**, and **portfolio builder** for complete PM career development.
- Architected with **TypeScript** and **Zod** validation, implementing **configuration-driven forms** that achieved 80% form code reusability, while TypeScript's strict typing reduced runtime bugs by 60%.
- Improved code quality with **Husky** hooks (ESLint, Prettier, Jest), cutting rework by **30%**, and supports **85%** of JS environments (e.g., **Vite**, **Next.js**) with a **12 kB** gzipped footprint.

Technical Skills

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Redux, Tailwind CSS, TanStack Query, Zustand, GrapesJS

Programming Languages: JavaScript, TypeScript

Databases & ORM: MongoDB, Mongoose, GraphQL, Apollo GraphQL, Socket.IO, Firebase

Version Control: Git, GitHub, Bitbucket

Miscellaneous: Rollup, Storybook, Nginx, SEO, Webpack, AWS, Micro Frontend

Achievements

- Designed and developed a reusable **UI component library** using **TypeScript**, leveraging **Rollup** for efficient bundling and **Storybook** for interactive component documentation, delivering the project in a record **one month** timeframe.
- Awarded 'Best Debugger' at Lean Platform Technologies for expertise in tackling complex technical challenges.

Education

Academy of Technology

B.Tech : Electronics and Communication Engineering (ECE)

July 2019 - June 2023

CGPA: 8.75