

Sumit Ghosh

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Experience

GammaStack	May 2025 – Present
<i>Frontend Engineer 1 – TypeScript, Next.js, GrapesJS, Redux, Micro Frontends</i>	Bengaluru, India
<ul style="list-style-type: none">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
<i>Software Development Engineer 1 – React.js, Node.js, MongoDB, PostgreSQL, AWS</i>	Goa, India
<ul style="list-style-type: none">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