

# RUTTVIK KHOLLAM

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## SUMMARY

Results-driven Front-End Developer with 3 years of experience building scalable web applications using React, Next.js, and TypeScript. Proven ability to lead projects from concept to deployment, integrate third-party services, and optimize performance. Passionate about clean code, UI/UX excellence, and mentoring team members to achieve technical growth.

## Work experience

Sr. Software Engineer, Invimatic Technologies

May 2022 - Present

- **Led front-end development** for various enterprise-grade applications using React, Next.js, and TypeScript, reducing development cycles through modular architecture and reusable components.
  - **Optimized application performance** by implementing component-level lazy loading and srcSet-based image delivery, improving page speed - Lighthouse score: 96+
  - **Reduced bundle size** through dynamic imports and route-based code splitting, resulting in faster first-contentful paint (FCP) and improved user experience on low-end devices.
  - Ensured **WCAG 2.1 accessibility compliance** using semantic HTML5, ARIA landmarks, and keyboard navigation support — boosted Lighthouse accessibility score from 71 to 95+.
  - **Integrated multiple third-party APIs** (Stripe, EaseBuzz, analytics providers) to streamline payments, authentication, and event tracking.
  - Implemented and enforced clean code practices using **ESLint**, **Prettier**, and **Husky** for pre-commit checks, reducing merge issues and maintaining team-wide coding standards.
  - Worked on secure payment flows and session handling, adhering to basic security standards like **HTTPS, token storage, and XSS protection**.
  - Explored **WebSockets and SSE** in internal tooling and PoCs to enable real-time chat and live data syncing features.
  - Built a **polling mechanism** to monitor long-running Python-based backend tasks, ensuring seamless UX during async content generation.
  - Mentored junior developers, improving onboarding efficiency and team contribution.
  - Collaborated with cross-functional teams (design, product, backend) to implement high-ROI features

## Projects

## E-KYC Platform for the Hospitality Industry:

- Designed and implemented a digital KYC system using Aadhaar image and face-matching APIs.
  - Integrated EaseBuzz for secure hotel payments.
  - Enforced a11y standards with screen reader support and contrast management.
  - Stack: React, TypeScript, Accessibility, EaseBuzz

## **Ad Content Automation Platform (Shopify Merchants):**

- Built a multichannel campaign creator for TikTok, Facebook, Instagram, Mailchimp, and Pinterest, reducing campaign setup time.
- Used PostHog for real-time funnel analytics and conversion event tracking.
- Applied image optimization techniques (srcSet, lazy loading) to improve performance for media-heavy product catalogs.
- Stack: React, TypeScript, PostHog, IntegrationBus

## **HRMS System:**

- Developed and maintained a full-featured HRMS platform including client management, employee onboarding, master data setup, project management, timesheet logging and leave tracking.
- Integrated Stripe for payroll payouts and used TanStack Query for efficient data caching.
- Enforced consistent code quality across modules using ESLint and Husky.
- Stack: React, TypeScript, Stripe, TanStack Query

## **White-Label E-commerce Platform:**

- Delivered customizable platform with advanced coupon handling and sales analytics for retailers
- Boosted SEO and page performance by implementing component-level lazy loading and route-level code splitting.
- Improved accessibility with keyboard navigation, semantic HTML, and ARIA patterns.
- Stack: Next.js, GraphQL, TypeScript

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## Skills

- **Languages & Frameworks:** TypeScript, JavaScript, React, Next.js, Node.js, NestJS
- **State & Data Management:** Redux, React Query, Context API, GraphQL
- **Performance & Dev Tools:** Lighthouse, Core Web Vitals, Webpack Analyzer, Bundle Splitting
- **Databases & Backend:** MongoDB, IntegrationBus
- **Tools & Platforms:** Git, PostHog, Google Analytics
- **Security:** HTTPS, JWT, CSP, XSS/CSRF protection
- **Real-Time Tech:** WebSockets, Server-Sent Events
- **Accessibility (A11Y):** Semantic HTML, ARIA, Keyboard Navigation, Screen Reader Testing
- **Development Practices:** Performance Optimization, Modular Architecture, Clean Code, Accessibility, Third-Party Integrations, Client Requirements Analysis

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## Education

- Bachelor of Engineering (Mechanical): Dr. D.Y. Patil School of Engineering, Pune | 2020

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## Profiles

- Github: <https://github.com/ruttvik1021>
- LinkedIn: <https://in.linkedin.com/in/ruttvik1021>
- Portfolio: <https://ruttvikkhollam.in>