

# HIMANSHU RAJ ANAND

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**Location:** New Delhi, India

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## PROFESSIONAL SUMMARY

Full-stack developer with 4.5+ years of experience designing, developing, and deploying scalable, high-performance web applications. Strong expertise in modern JavaScript frameworks (Next.js, React), backend technologies (Node.js, Python), and cloud infrastructure (AWS, Docker). Experienced in reading and implementing complex technical documentation for new integrations, debugging production issues, fixing application bugs, and optimizing system performance. Proven track record of delivering SEO-driven solutions, automating workflows, writing technical and integration documentation, and leading end-to-end product development in fast-paced environments

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## TECHNICAL SKILLS

**Frontend:** Next.js, React.js, Redux, Tailwind CSS, TypeScript, SASS, Angular 10

**Backend:** Node.js, Express.js, Flask, GraphQL, REST APIs, Python, socket.io

**Databases:** MongoDB, PostgreSQL, Firebase

**DevOps & Infrastructure:** Docker, Nginx, Linux, Git, AWS Lambda

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## PROFESSIONAL EXPERIENCE

### Software Engineer | Giga Solv

**Jan 2023 – Present**

**Client:** Filipino Leading Media & Entertainment Platform (OTT + Digital Publishing – ABS-CBN Ecosystem)

**Team / Department Context:**

Worked as part of the **Web Platform & Monetization Engineering team**, responsible for frontend modernization, ad-tech integrations, and backend services supporting high-traffic OTT and content-driven platforms. Collaborated closely with product managers, backend engineers, QA, and Ad Operations teams.

## **Key Responsibilities & Contributions:**

- Contributed to the migration of large-scale consumer-facing websites from a legacy CMS (Kentico) to a modern **Next.js-based architecture**, focusing on performance, SEO, and maintainability.
- Developed **server-side rendered (SSR)** and static-site generated (SSG) pages in Next.js to support news, entertainment, and media content with high organic traffic.
- Built reusable, type-safe **React** components (**TypeScript**) aligned with shared design systems, enabling consistent UI behavior across multiple web properties.
- Implemented **SEO** best practices including structured metadata, Open Graph tags, canonical URLs, schema markup, and Core Web Vitals optimization.
- Worked on code-splitting, dynamic imports, and caching strategies, contributing to ~30% improvement in page load times for critical landing pages.

## **Server-Side & Backend Optimization Contributions:**

- Optimized **Node.js** backend services by analyzing request bottlenecks and reducing response latency through efficient async handling and non-blocking I/O patterns.
- Implemented API-level caching strategies using in-memory and HTTP cache headers to reduce repeated backend calls for high-traffic endpoints.
- Worked with backend teams to design **scalable APIs**, ensuring reliability under concurrent traffic spikes during live events.
- Assisted in optimizing **GraphQL** queries by reducing over-fetching, implementing query depth limits, and improving resolver performance.
- Participated in database query optimization discussions, including index usage, pagination strategies, and avoiding N+1 query patterns.
- Helped introduce structured logging and error monitoring to improve observability and faster root-cause analysis in production.

## **Ad-Tech & Traffic Handling:**

- Ensured ad-rendering services remained performant under heavy traffic by coordinating frontend lazy loading with backend delivery optimizations.
- Collaborated closely with Ad Operations to ensure correct targeting, lazy loading, and viewability tracking without degrading user experience.
- Designed and consumed **GraphQL** APIs to decouple frontend data requirements from backend implementations.
- Developed backend automation services using **Python (Flask)** to streamline GAM workflows such as ad configuration, reporting, and operational tasks.
- Participated in migrating backend services to **AWS Lambda**, improving scalability and reducing infrastructure cost overhead.
- Implemented event tracking and analytics pipelines to measure user engagement, ad performance, and content consumption patterns.
- Actively participated in code reviews, sprint planning, and production debugging, contributing to system stability in a high-traffic environment.

**Tech Stack:** React, Next.js, Node.js, GraphQL, MongoDB, Python, Flask, AWS Lambda, Docker

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# Software Engineer | UIPEP Technologies Pvt Ltd

May 2021 – Dec 2022

**Document Management Platform (DocMachine – Enterprise SaaS)**

**Team / Department Context:**

Worked within the Product Engineering team building a document editing and processing platform used by enterprise clients.

**Key Responsibilities & Contributions:**

- Developed **modular and reusable Angular components** for a complex in-browser document editor.
- Built and maintained **Express.js REST APIs** to support document storage, processing, and versioning workflows.
- Implemented **PDF-to-HTML conversion pipelines**, enabling rich text editing while preserving layout, styles, and document hierarchy.
- Designed **HTML-to-PDF rendering flows** to ensure high-fidelity exports suitable for business and legal use cases.
- Improved frontend performance through optimized **change detection, state management, and component-level optimizations**.
- Collaborated with backend and QA teams to debug rendering edge cases and production issues.

**Filipino OTT & Media Platform**

**Team / Department Context:**

Part of the OTT Web Experience team, contributing to user engagement and monetization features.

**Key Responsibilities & Contributions:**

- Implemented **user behavior tracking and analytics hooks** to capture viewing patterns and engagement metrics.
- Assisted in integrating **ad monetization workflows**, supporting pre-roll and mid-roll ad experiences.
- Developed **resume-play functionality**, enabling users to continue video playback across sessions and devices.
- Ensured seamless interaction between frontend components and backend APIs for content delivery.

**General Responsibilities**

- Investigated and resolved production bugs, reducing turnaround time for critical fixes.
- Participated in peer code reviews and provided technical guidance to junior developers.
- Worked closely with product and design teams to translate requirements into scalable implementations.

**Tech Stack:** Node.js, Express.js, GraphQL, React, Angular 10, Python, Redux

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## FREELANCE & PERSONAL PROJECTS

### Online Flight Reservation System | Full-Stack Developer

**GitHub:** [github.com/HimanshuRaj26198/online-flight-reservation](https://github.com/HimanshuRaj26198/online-flight-reservation)

#### Project Scope & Complexity:

- Designed a **production-grade flight booking platform** integrating third-party airline APIs for real-time availability and pricing.
- Implemented **search optimization, fare filtering, and multi-step booking flows** with robust state handling.
- Built secure backend services for **booking management, passenger data handling, and payment-ready workflows**.
- Automated **PDF ticket generation** with dynamic layouts and branding.
- Developed **transactional email pipelines** for booking confirmations and ticket delivery.
- Focused on **API reliability, error handling, and performance optimization** for external integrations.

**Technologies:** Next.js, Node.js, Amadeus API, PDFKit/Puppeteer, Nodemailer, MongoDB, PostgreSQL

### Custom Email System (JetQuins – Gmail-like Webmail Client)

#### Project Scope & Complexity:

- Architected a **self-hosted email infrastructure** using industry-standard protocols and security practices.
- Configured **Postfix, Dovecot, OpenDKIM, SPF, and DMARC** to ensure secure and reliable mail delivery.
- Built a **modern Next.js-based webmail UI** supporting inbox management, threading, filters, and folders.

- Implemented **IMAP/SMTP integrations** with efficient synchronization strategies.

**Technologies:** Next.js, Postfix, Dovecot, OpenDKIM, Node.js, Linux, IMAP/SMTP

## CoderCrafter LMS Platform | Full-Stack Developer

**Website:** [codercrafter.in](http://codercrafter.in) | **Learning Platform:** [lms.codercrafter.in](http://lms.codercrafter.in)

**GitHub:** [github.com/HimanshuRaj26198/coder-website](https://github.com/HimanshuRaj26198/coder-website) | [github.com/HimanshuRaj26198/codercrafter-learn](https://github.com/HimanshuRaj26198/codercrafter-learn)

### Project Scope & Complexity:

- Designed and built a **scalable Learning Management System (LMS)** with role-based access control for admins, instructors, and students.
- Implemented **course management, scheduling, enrollments, and progress tracking** features.
- Integrated **WebRTC-based live classes** and **Socket.io-powered real-time notifications**.
- Focused heavily on **SEO optimization**, improving discoverability through structured metadata and performance tuning.
- Built the platform with extensibility in mind for future monetization and analytics.

**Technologies:** Next.js, TypeScript, WebRTC, [Socket.io](#), PostgreSQL, SEO Optimization Tools

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## EDUCATION

### Bachelor of Computer Applications (BCA)

Magadh University | 2017 – 2020

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## CERTIFICATIONS

### Full-Stack Development Certification

JustToLearn | Nov 2020 – May 2021