MUKESH KUMAR YADAV

Full Stack Developer

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SUMMARY

Junior full stack developer with 1+ year of production experience on Next.js sites for a press release distribution agency, promoted from intern to full-time after 3 months. Strongest in React/Next.js, API integration, web performance and technical SEO.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), TypeScript, Python, HTML, CSS, SQL
- **Frontend:** Next.js (App Router & Pages Router), React, Tailwind CSS, server-side rendering, responsive design
- **Backend & Data:** Node.js, Express, FastAPI, REST APIs, MongoDB, Supabase (PostgreSQL), Firebase, Zod
- **Tools:** Git/GitHub, GitHub Actions, Docker, Trivy, Vercel, Stripe, NextAuth, Cloudinary, PostHog
- **SEO & Performance:** Lighthouse, Core Web Vitals, structured data, sitemaps, Open Graph

PROFESSIONAL EXPERIENCE

EasyPRwire – Press Release Distribution Agency Kathmandu, Nepal (On-site)

Full Stack Developer, Full-time Mar 2026 – Present

- Promoted from intern after 3 months; build and maintain frontend features and API integrations across the company's 4 production websites.
- **easyprwire.com**: Built most of the company's main Next.js platform (35+ routes), covering marketing and content pages, a newsroom and blog, Stripe payments, order tracking, and customer support. Raised Desktop Lighthouse performance from 60–70 to 99 through server-side rendering, and fixed high-severity dependency vulnerabilities flagged by Trivy scans in CI.
- **mediaX.agency**: Raised Desktop Lighthouse performance from the low 60s to 90+ by optimizing Core Web Vitals (LCP, FCP, font loading) and fixing search indexing issues (canonicals, redirects, sitemap coverage).
- **linkible.io**: Main frontend developer since Jan 2026 (Next.js, TypeScript, Tailwind CSS); built dynamic pages driven by CMS content and Stripe payment flows, and tuned the Next.js rendering strategy (ISR vs. dynamic) for the Docker-based production deployment.
- **settl.chat**: Built the company's marketing website from scratch in Next.js 16, TypeScript and Tailwind CSS, including a contact flow that sends automated emails through Resend.

Full Stack Developer, Intern Dec 2025 – Feb 2026

- Built a reusable component library for easyprwire.com and replaced static content with backend APIs across the site, including dynamic routing and page layouts driven by the API.
- Turned design wireframes into responsive production pages, and shipped features such as a support-ticket system, downloadable sample reports and table-of-contents navigation for long-form content.

Announce Chain – Press Release Distribution Kathmandu, Nepal

Frontend Developer (Part-time) Jul 2025 – Dec 2025

- Built pages for the company's Next.js 16 marketing site using content from Sanity CMS, and set up redirects, sitemap and Open Graph metadata.

PROJECTS

mini2k – Full-Stack E-Commerce Storefront & Admin CMS [Live Demo] | [GitHub]
React 19, TypeScript, Express, Supabase (PostgreSQL), Vercel Edge, Cloudinary, Zod

- Built a storefront with a 10-module, mobile-first admin CMS and a content manager with 30+ dynamic fields.
- Used Vercel Edge Middleware to detect social-media crawlers (WhatsApp, Facebook, X) and serve them server-rendered Open Graph previews, which a single-page app can't do on its own.
- Secured 35 REST endpoints with Zod validation, HMAC-SHA256 signed session cookies, IP rate limiting with 15-minute lockouts, and audit logs for admin actions.

AI Image Enhancer – Real-ESRGAN Super-Resolution Web App (Team Lead) [GitHub]
Next.js 16, React 19, TypeScript, FastAPI, ONNX Runtime, Docker, Firebase, Cloudinary

- Built the full stack myself: the Next.js 16 frontend (before/after slider, canvas editing, Firebase Auth, signed Cloudinary uploads) and the FastAPI inference backend.
- Fine-tuned Real-ESRGAN on a custom 2,011-image-pair dataset (30k iterations, Kaggle) and on DIV2K (50k iterations, local GPU) and exported it to ONNX Runtime.
- Configured overlapping 192px tiled inference, cutting peak VRAM from 5 GB to 200 MB for 4× upscaling without visible seams.

EventPass – Event Booking Platform [Live Demo] | [GitHub]
Next.js 16, TypeScript, MongoDB, NextAuth v5, Stripe, Cloudinary

- Extended a course starter project with Stripe Checkout, signed webhook verification and server-side price checks against the database.
- Added role-based access control with NextAuth v5 (JWT sessions, bcrypt) across Server Actions and API routes.
- Replaced one query per event with a single MongoDB `$lookup` aggregation, and added a unique compound index on `(eventId, email)` to block duplicate bookings.

EDUCATION

B.E. in Computer Engineering Graduated 2026
Kathford International College of Engineering and Management Kathmandu, Nepal

TRAINING & CERTIFICATIONS

- **AWS Cloud Quest:** Cloud Practitioner badge (Sep 2026) – View Badge
- **AWS Academy Cloud Foundations** badge (Jul 2025) – View Badge
- **Software Fellowship,** LOCUS – IOE Pulchowk (2023)