BARUN KUMAR

Full Stack Developer | MERN Stack & Next.js | AI Integration

Mobile: +91 90972 76601 Email: baruntiwari1213@gmail.com Location: Patna, Bihar Experience: 3 years
LinkedIn: linkedin.com/in/ibarunkumar GitHub: github.com/Barunkumar1213 Portfolio: barun-portfolio.vercel.app

PROFESSIONAL SUMMARY

Full Stack Developer with **3 years** of experience building production-grade **SaaS, HRMS and e-commerce** applications using **React.js, Next.js, Node.js, Express.js, MongoDB and TypeScript**. Strong in scalable REST API design, **JWT and OAuth 2.0** authentication, role-based access control, **MongoDB query optimisation** and **Redis** caching, with hands-on **Docker, GitHub Actions CI/CD and AWS** deployment. Builds AI-powered features with **LangChain, LangGraph, Gemini API and OpenAI API**. A collaborative team player used to Agile / Scrum delivery and code reviews.

KEY STRENGTHS

- **Full-stack development** – end-to-end features from React.js / Next.js UI to Node.js / Express.js APIs and databases
- **Performance** – MongoDB aggregation and index tuning (35% faster reports), Redis caching for high-traffic endpoints
- **Reusable UI** – responsive component libraries with TypeScript and Tailwind CSS shared across products
- **API & security** – RESTful APIs in MVC architecture, JWT, OAuth 2.0 and role-based access control (RBAC)
- **DevOps** – Docker containers, GitHub Actions CI/CD, deployment on AWS EC2 with Nginx
- **AI integration** – LLM features and agent-based workflows with LangChain, LangGraph, Gemini and OpenAI APIs

TECHNICAL SKILLS

Front end	React.js (Hooks, Context API), Next.js, Redux Toolkit, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, SASS, Vite, Webpack
Back end	Node.js, Express.js, FastAPI, REST APIs, JWT, OAuth 2.0, MVC architecture, OOP
Databases	MongoDB (Mongoose ODM, Aggregation), PostgreSQL, MySQL, Redis
Testing	Jest, React Testing Library, Cypress, Mocha, Postman
DevOps & cloud	Docker, GitHub Actions (CI/CD), AWS (EC2, S3), Nginx, Linux, Git
AI / LLM	LangChain, LangGraph, Gemini API, OpenAI API, AI agents, prompt engineering
Integrations	Stripe (payments), Cloudinary (media), Google Calendar API
Languages & tools	Python, Bash / Shell, Jira, Agile / Scrum, code review

PROFESSIONAL EXPERIENCE

Software Developer
Dec 2025 – Jul 2026

Nexintel Synergy Pvt Ltd

- Built full-stack SaaS features with React.js (Hooks, Redux Toolkit), Next.js, Node.js, Express.js and MongoDB.
- Added Redis caching to high-frequency API endpoints to improve response times and reduce database load.
- Developed RESTful back-end services using MVC architecture; took part in code reviews and production releases through GitHub Actions CI/CD pipelines.
- Prototyped AI agent workflows with LangChain and LangGraph and Gemini API features for the product roadmap.

Associate Software Engineer
Jun 2023 – Oct 2025

Amazecodes Solutions Pvt Ltd

- Developed and maintained **4+ full-stack HRMS and e-commerce applications** using React.js, Next.js, Node.js, Express.js, MongoDB and PostgreSQL, bundled with Vite and Webpack.
- Designed REST APIs with JWT and OAuth 2.0 authentication and implemented **role-based access control** for secure multi-user HRMS workflows.
- Optimised MongoDB aggregation queries on large collections through index tuning and pipeline restructuring, **improving reporting performance by 35%**.
- Containerised applications with Docker, automated CI/CD with GitHub Actions and deployed on AWS EC2 with Nginx.
- Integrated **Stripe** for payments and **Cloudinary** for media management.
- Built reusable, responsive React.js component libraries with TypeScript and Tailwind CSS, reducing duplicate front-end code across products.

PROJECTS

AI Email Automation Platform

GitHub: github.com/Barunkumar1213

Tech: React.js, Node.js, Express.js, MongoDB, REST API, OAuth 2.0, Gemini API, Google Calendar API, Jest

Problem

Drafting e-mails and scheduling meetings manually took a lot of time.

Solution

- Built an AI-powered assistant with a React.js front end and Node.js back end that drafts e-mail replies using the Gemini API.
- Integrated Google Calendar API with OAuth 2.0 for secure, automated meeting scheduling.
- Wrote Jest unit tests for the core API endpoints to keep the automation reliable.

Result

Reduced manual e-mail effort by about **60%**.

Fashion AI Recommendation System

GitHub: github.com/Barunkumar1213

Tech: React.js, Redux Toolkit, Vite, Node.js, Express.js, MongoDB, Mongoose, Gemini API, JWT, OAuth 2.0, Cloudinary, Stripe

Problem

Shoppers found it hard to discover fashion products relevant to them.

Solution

- Built a full-stack AI recommendation platform: React.js (Redux Toolkit) + Vite front end and Node.js / Express.js MVC back end with Mongoose ODM.
- Used the Gemini API to generate personalised product recommendations.
- Secured the platform with JWT / OAuth 2.0 authentication and integrated Stripe for payments.
- Used Cloudinary for optimised product image storage and delivery.

DOMAIN EXPERIENCE

SaaS products • HRMS (human resource management) • E-commerce • AI-powered applications

EDUCATION

Qualification	Institution	Year
Master of Computer Applications (MCA)	Amrita Vishwa Vidyapeetham	2021 – 2023
Bachelor of Computer Applications (BCA)	B.D. College, Patna	2017 – 2020

CERTIFICATIONS

- Python – HackerRank
- SQL – HackerRank

PERSONAL DETAILS

Location	Patna, Bihar
Availability	Immediate joiner

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge.

Place: Patna

Barun Kumar