

Hitkumar Patel

Full Stack Developer · React | Next.js | Node.js | TypeScript | AWS | AI Integration

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Professional Summary

Full Stack Developer with 4+ years of experience building and deploying scalable, production-ready web applications across React, Next.js, Node.js, and TypeScript. Real, hands-on experience with cloud-native architecture on AWS – serverless (Lambda, API Gateway), event-driven systems (SNS/SQS), containerization (Docker, Kubernetes, ECS Fargate), and Infrastructure as Code (AWS CDK) – deployed through CI/CD pipelines (GitHub Actions, Jenkins). Comfortable across SQL and NoSQL databases (PostgreSQL, MongoDB, DynamoDB), with genuine experience integrating AI into production applications: LLM-powered features, and a benchmarked Retrieval-Augmented Generation (RAG) system combining vector search with knowledge graph retrieval. Uses AI-assisted development tools (Claude, GitHub Copilot) daily while retaining full technical ownership. Strong communicator, comfortable owning features end-to-end, and genuinely curious about solving hard, real-world problems.

Professional Experience

Full Stack Developer – React / Next.js / Node.js / AWS | Wouessi Inc. (Toronto, ON) Oct 2024 – Dec 2025

- Designed and delivered scalable full-stack web applications using Next.js (App Router, SSR/ISR), React 19, TypeScript, and Node.js, deploying and supporting many production websites and applications for enterprise clients.
- Built reusable component libraries with Shaden/ui and Tailwind CSS, improving Core Web Vitals by 40%.
- Integrated OpenAI's API for AI-powered features, and implemented JWT, OAuth 2.0, and RBAC (including Auth0-based custom claims) for secure, multi-tenant applications.
- Built and evolved CI/CD pipelines using GitHub Actions and Jenkins, containerized and orchestrated services with Docker and Kubernetes, and deployed to AWS (Lambda, API Gateway, ECS Fargate, DynamoDB, S3, CloudWatch).
- Set up Elasticsearch and Kibana for search and observability, and worked with both relational and NoSQL databases across projects.
- Collaborated with cross-functional teams, participated in code reviews, and mentored teammates on frontend and backend best practices.

Software Developer Intern – React / Node.js / MongoDB | AasmaTech (Ahmedabad, India) Jun 2023 – Nov 2023

- Built full-stack MERN applications with React, Redux, and Node.js/Express REST APIs, improving system performance by 65%.
- Designed MongoDB schemas and optimized queries for high-read workloads, integrating AWS S3 for scalable asset storage.
- Wrote unit and integration tests using Jest and React Testing Library.

Junior React Developer – React / TypeScript / Redux | WebTech Crew (Ahmedabad, India) Jan 2022 – May 2023

- Built React + TypeScript SPAs with Redux state management and Firebase real-time database, supporting 2,000+ concurrent users.
- Improved application load time by 30% through code splitting, lazy loading, and component optimization.
- Built WCAG-compliant accessible UI components and integrated REST APIs across production applications.

Key Projects

OpsBoard – Production Serverless Platform · TypeScript, Node.js, AWS Lambda, DynamoDB, SNS/SQS, Redis, ECS Fargate, CDK [GitHub](#)

- Independently designed and deployed a distributed, event-driven platform end-to-end on AWS: 16 Lambda functions, single-table DynamoDB with atomic counters, an SNS-to-SQS pipeline with dead-letter-queue handling, and ElastiCache Redis caching with event-driven invalidation.
- Containerized a background worker on ECS Fargate, defined the entire infrastructure as code (AWS CDK), and deployed via a secure, OIDC-based GitHub Actions CI/CD pipeline.

MovieMind – Hybrid Vector + Knowledge Graph RAG System · Next.js, React, Neo4j, OpenAI (Embeddings + GPT), Vector Search [GitHub](#)

- Built a RAG application combining vector similarity search with knowledge graph traversal, using adaptive query-intent classification to dynamically weight retrieval strategy per query type.
- Benchmarked against baseline LLM responses: 25% more accurate, 42% more comprehensive, and 37% better on complex multi-part queries.

Meet Platform – Enterprise Video Collaboration · Next.js 15, React 19, TypeScript, Stream Video SDK, OpenAI, Clerk, MongoDB [GitHub](#) · [Live Demo](#)

- Built real-time video meeting features (Stream Video SDK), AI-generated summaries and contextual chat (OpenAI), and secure Clerk-based authentication.

Imagify – AI-Powered Image Editing SaaS · Next.js, React, TypeScript, Cloudinary AI, Stripe, MongoDB [GitHub](#) · [Live Demo](#)

- Built a credit-based AI SaaS platform with generative image transformations (Cloudinary AI) and Stripe billing, serving 10,000+ real users.

- Built a client-facing site and RBAC-secured admin dashboard with appointment lifecycle management and automated email notifications (Nodemailer).

Technical Skills

Frontend: React, Next.js, TypeScript, JavaScript (ES6+), Redux, Tailwind CSS, Shadcn/ui, HTML5, CSS3
Backend: Node.js, Express.js, RESTful API design, GraphQL (familiarity), Microservices, Event-Driven Architecture
Databases: PostgreSQL, MongoDB, MySQL, DynamoDB, Redis, Neo4j (Graph)
AI & LLMs: OpenAI API, Retrieval-Augmented Generation (RAG), Vector Search/Embeddings, Knowledge Graph Retrieval, Claude, Claude Code, GitHub Copilot, Prompt Engineering
Auth & Security: JWT, OAuth 2.0, RBAC, Auth0 (Custom Claims), Clerk, OWASP Practices, Secure API Design
Cloud & DevOps: AWS (Lambda, API Gateway, ECS Fargate, S3, RDS, CloudWatch, IAM), AWS CDK (IaC), Docker, Kubernetes, GitHub Actions, Jenkins, Elasticsearch & Kibana, Vercel
Testing & Tools: Jest, React Testing Library, Cypress, Git/GitHub, Webpack, Vite, Agile/Scrum

Education & Certifications

Humber College Post Graduate Certificate in Information Technology (Toronto, ON)	Jan 2024 – Aug 2025
Opole University of Technology B.Eng., Computer Engineering (Opole, Poland)	Oct 2018 – Dec 2022
Certifications	

Getting Started With Node.js • JavaScript For Beginners • Front-End Software Engineering (Skyscanner/Forage) • Docker