

Umang Patel

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Career Objective

Jr. Full-stack developer with practical experience building real-time, responsive web apps. Passionate about crafting innovative, user-centric software solutions. Driven by continuous learning, delivery of high-impact technological solutions. Focusing on mastering GenAI and eager to expand expertise in cloud technologies like Kubernetes, Docker.

Experience

- Full Stack Developer Intern Apr. 2024 - Aug. 2024
J&M Group | *Next.js, Typescript, PostgreSQL, Docker, Tailwind CSS, Redis, Supabase* Mississauga, ON
- Designed and implemented a location based (PostGIS) scheduling and matching system that optimized the placement of job seekers in ad-hoc roles, leading to a better candidate experience and a faster hiring cycle.
 - Implemented UI (PWA) for the job board for job seekers and admins using React, Redux, Zod, Typescript, Tailwind and Shadcn.
 - Enabled self-hosted deployment of a Next.js application and its dependencies (Supabase, Redis, RabbitMQ) by contributing in building Docker swarm on the company's private Linux environment

Projects

- AI-Powered Career Coach | *React, Prisma, Google Gemini AI, Inngest, Zod, PostgreSQL, Clerk, Shadcn UI* [GitHub Repo](#)
- Engineered AI-powered resume building, cover letter generation, and interview preparation using Next.js
 - Integrated Google Gemini AI for context-aware content generation, including resume improvements and industry-specific cover letters
 - Utilized Prisma ORM with PostgreSQL for scalable data handling, and implemented authentication and role-based access using Clerk
 - Designed a responsive and accessible UI with TailwindCSS and Shadcn UI, incorporating form handling via React Hook Form and schema validation using Zod
- React Rooks - Chess Game | *Next.js, Tailwind CSS, MongoDB, WebAssembly, WebSockets, TypeScript* [GitHub Repo](#)
- Developed a real-time chess game that allows users to play chess against a powerful chess AI (Stockfish)
 - Utilized WebAssembly to optimized AI performance within client's browser, allowing players to make unlimited AI inferences
 - Implemented a Node.js cron job to save the game state after each move for seamless continuation
 - Implemented the moves history and its UI to display the ongoing moves made by the player in real time and store it once the game is over for future reference and for displaying player stats
- Pdf RAG | *Next.js, TypeScript, Express.js, LangChain, OpenAI API, Qdrant, Redis, BullMQ, Docker* [GitHub Repo](#)
- Built an AI-powered PDF chat platform using Next.js 15, Express.js, and TypeScript with OpenAI integration
 - Implemented RAG architecture with LangChain.js and Qdrant vector database for intelligent document analysis
 - Designed scalable backend using BullMQ for queue management and Docker for containerization
 - Created secure, responsive UI with Clerk authentication and Tailwind CSS

Technical Skills

- Frontend:** JavaScript, TypeScript, React.js, Tailwind, Shadcn
- Backend:** Next.js, Node.js, Express.js, Prisma, RabbitMQ, JAVA, Spring Boot, REST APIs, Python
- Database:** PostgreSQL, MySQL, Redis, MongoDB
- CI/CD:** Git, GitHub Actions, Vercel, Docker
- System Architecture:** MVC, Micro-Service

Education

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| Humber College | Toronto, Canada |
| Information Technology Solutions | Jan 2023 - Aug 2024 |
| Nirma University | India |
| Computer Engineering (B. Tech) | Jun 2017 - May 2021 |