Jayant Dahiya

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TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, TailwindCSS
Backend: Node.js, Python, FastAPI, Express.js, Laravel
AI/ML: LlamaIndex, LangChain, Pinecone DB
Databases: MongoDB, Redis, PostgreSQL, MySQL
DevOps: Docker, AWS, Git, Google Cloud Platform
Security: JWT, OAuth, AWS IAM, Encryption

EXPERIENCE

FullStack Developer (Consultant) — Oct 2024 – Present
Council on Energy, Environment and Water (CEEW) — *New Delhi*

- Designed and developed a user-facing **RAG chatbot** with **React.js** and TypeScript, integrating LlamaIndex and Pinecone DB for responsive, policy-driven responses, cutting lookup time by **70%**.
- Built RESTful APIs with **Python FastAPI** on AWS Lambda, optimizing CMIP5 data processing by **40%** for seamless frontend-backend integration.
- Implemented **JWT-based authentication and data encryption** for secure API access, ensuring data privacy for sensitive climate research datasets.
- Engineered a responsive geospatial web app using **Next.js** and Mapbox-GL, ensuring cross-platform compatibility for climate risk visualization.

FullStack Developer — Sept 2023 – Oct 2024
HKB Development Pvt. Ltd. — *Mumbai*

- Developed a high-traffic chatbot with **React.js** and **Node.js**, leveraging WebSockets for sub-400ms latency, serving 1M+ daily users with **15%** improved retention.
- Migrated to **Next.js SSR**, enhancing responsiveness and SEO by **60%**, while managing MongoDB and Redis for real-time data sync.
- Secured user sessions with **OAuth 2.0** and encryption in Express.js APIs, reducing unauthorized access incidents by **25%**.
- Deployed **8 microservices** with Docker and AWS, automating scalability and reducing downtime by **30%** via CI/CD practices.

Software Developer — May 2022 – Sept 2023
Freelance — *Remote*

- Built a portfolio management platform with **MERN stack**, integrating real-time tracking and automated reporting with **MySQL** for data storage, earning a **15% equity offer** from investors for scalable design.
- Developed responsive landing pages for a French agency using **Next.js** and TailwindCSS, boosting lead generation by **40%** with SSR and SEO optimizations.
- Deployed secure **Solidity smart contracts** for a Brazilian real estate registry, leveraging ERC-721 and Hardhat, with Alchemy integration cutting transaction delays by **20%**.

Software Associate — Sept 2021 – May 2022
OLA Cabs — *Remote*

- Debugged production issues with **Python** and REST APIs, boosting app stability by **20%** and resolving tickets **25%** faster.
- Managed **PostgreSQL and MySQL database** performance with Grafana, ensuring data integrity under high load.
- Enforced **AWS IAM policies** to restrict database access, enhancing security for customer data.

EDUCATION

Lovely Professional University — Punjab
Bachelor of Technology in Computer Science and Engineering — *Aug. 2017 – Aug 2021*