

## Sachin Bagaria - Full-Stack Web Developer

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Location - Avenue du Swing, Belvaux, Luxembourg



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### Professional Summary

AI-driven Full Stack Engineer with 6 years of experience building scalable web applications using **Next.js, React, Node.js, NestJS, and Python**. Experienced in developing end-to-end AI solutions, from data processing and **transportation mobility analysis to time-series forecasting**, LLM-powered applications, and cloud deployment. Proficient in **OpenAI, LangChain, Retrieval-Augmented Generation (RAG), FastAPI, AWS**, and modern frontend architectures, with expertise across the complete software lifecycle, from solution design and development to production deployment. Led teams in Agile environments and successfully delivered 15+ enterprise projects.

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### Technical Skills

- **Frontend:** JavaScript, TypeScript, React, Next.js, Redux, Tailwind CSS, Vite, Webpack
  - **Backend:** Python, Node.js, REST API, GraphQL, MongoDB, PostgreSQL, SQL, NestJs
  - **DevOps & Tools:** GitHub Actions, Nginx, AWS (EC2, Lambda, RDS, ECR), Docker, Redis, Git, Jest, Postman
  - **AI & LLM Tools:** LangChain, ChromaDB, Pinecone, RAG, OpenAI, LLM, TensorFlow
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### Professional Experience

**Full-Stack Developer | University of Luxembourg** - Luxembourg | December 2025 – Present

- Developing an AI-powered Digital Twin platform for Luxembourg to analyze mobility and traffic flow data, enabling data-driven urban planning and strategic location analysis.
- Collaborating with cross-functional teams to deploy scalable AI and backend solutions on **AWS (EC2, Lambda, RDS, ECR)**, ensuring production-ready, high-performance applications.
- Implementing **LangChain** for generative AI tools to support analytics and decision-making.
- Contributing to solving Luxembourg mobility challenges by providing accurate, data-driven solutions for location analysis.
- Applying full stack skills to both frontend (React/Next.js) and backend (Node.js/Python/NestJS), ensuring scalable, production-ready deployment.

**Full-Stack Developer | Freelance** - Remote, Luxembourg | June 2025 – November 2025

- Currently consulting and delivering AI-powered applications (RAG, chatbots) using Next.js, React.js, Node.js, and Python for businesses across India and the USA.

**Full-Stack Developer | 200OK Solutions** - Remote, India | May 2023 – June 2025

- Integrated an AI chatbot (Google Gemini & ChatGPT) into the company website, internal HR tools, and a PDF-based Q&A assistant to streamline the hiring process.
- Built a full-stack resort booking system for Manor & Ashbury (UK) using Next.js and Node.js with Stripe integration and a custom admin dashboard; reduced booking time by 40%.

- Lead development of frontend/backend modules and implemented CI/CD pipelines using GitHub Actions and Docker.

**Frontend Developer | Arlab** - Jaipur, India | September 2021 – April 2023

- Developed Qlicr, a payroll and job management platform for Torque Jobs (Australia) using React, Bootstrap, and CSS Modules. Automated payslip generation and built a job payroll dashboard, improving admin workflows by 20%.
- Ensured mobile-first design, cross-browser UI performance and compatibility, and optimised UI
- Contributed to a crypto-based Web3 DApp (FundsOne) for NFT/Token trading on the Polygon network, using React, Redux, and Web3.js.

**Web Developer | Self-Employed** - Jaipur, India | August 2020 – July 2021

- Delivered web development services, transforming Adobe designs into functional websites.
  - Managed full development lifecycle from planning to deployment for diverse client projects.
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**Education** - Bachelor of Technology - Amity University

**Certification** - Fundamentals of Machine Learning and Artificial Intelligence from AWS