Devansh Singh
FULL STACK AND AI ENGINEER

+353 870346099 | devanshsingh.ireland@gmail.com | Github | Linkedin | Website
Dublin, Ireland (Stamp 2 Visa)

SUMMARY

- **Full-stack** software engineer with **4+ years** of experience in **React.js, Next.js, Node.js, and AI integration**, delivering scalable solutions with **30%+ performance improvements** and **20% revenue growth** for eCommerce and digital asset platforms
- Expert in **cloud-native systems** (AWS, Azure, Vercel, Heroku) and advanced **Gen AI technologies** (GPT models, NLP, chatbots), **enabling intelligent** and **data-driven product development**
- Strong **collaborator** leading technical initiatives in cross-functional, remote teams, recognized for **problem-solving** and delivering **measurable business impact**
- **Fluent in English**, enabling international collaboration and clear stakeholder engagement across diverse projects.

SKILLS

- **Front-end:** React (React.js, Next.js, React Native), JavaScript,Typescript, Redux, Material UI, Bootstrap, Ionic, HTML/CSS, jQuery, AJAX, RWD, SSR, SSG, Web Performance, Authentication, Authorization,Remix, PHP,ES6,shopify,instagram Api
- **Back-end:** Node.js, Express.js, MongoDB, SQL, API Development, Caching, nest js, graphql, postgresSql,rabbitMQ
- **Mobile Development:** React Native, Ionic
- **AI & NLP:** OpenAI GPT-Models, Chatbots, NLP, AI Integration, Prompt Engineering
- **Payment Solutions:** Stripe, PayPal
- **DevOps & Deployment:** AWS, Azure, Heroku, Vercel
- **Version Control:** Git, Bitbucket, JIRA, Confluence
- **Testing**: Jest
- **Software Engineering:** Code Review, Continuous Learning & Research, Microservices

EDUCATION

- Sept 2025 - Sept 2026 | **MSc in Artificial Intelligence** | National College of Ireland, Dublin, **Ireland**
- July 2021 - July 2023 | **M.Tech in Computer Science and Engineering** | Dronacharya College of Engineering, Gurugram, India | GPA: 3.1/4.0 (approx.)
- July 2017 - July 2021 | **B.Tech in Computer Science and Information Technology** | Dronacharya College of Engineering, Gurugram, India | GPA: 2.9/4.0 (approx.)

WORK EXPERIENCE

Consultant – Software Development   MARCH 2025 – SEPTEMBER 2025
Deloitte USI, india

- Developed and enhanced **enterprise eCommerce solutions** using **Shopify and custom backend services**, contributing to a **30% increase in user engagement** and **20% revenue growth** for D2C clients.
- Resolved critical **Remix + React Server-Side Rendering (SSR) and hydration issues**, fixing client–server mismatch errors and stabilizing rendering to ensure **SEO-safe, production-ready delivery**.
- Led **technical SEO optimization** across **Shopify and Remix applications**, improving **Core Web Vitals, crawlability, and organic visibility**, resulting in **30%+ improvement in page speed and engagement metrics**.
- Identified and fixed multiple **long-standing, production-blocking bugs** across **Shopify and Remix stacks within days**, unblocking releases and earning formal **recognition from domain specialists and product managers** (Recommendations).
- Built and optimized features for an **in-house Generative AI platform**, improving **LLM workflow efficiency and reducing token consumption by 20%**, directly lowering **AI operating costs**.
- Recognized by **managers and delivery teams for rapid execution, faster turnaround time, and consistently high-quality delivery**, receiving **strong performance reviews**.

Senior Software Engineer   JUNE 2024 – Feb 2025
MadvIT Solutions, Noida

- Created and delivered multiple **generative AI projects** for clients, demonstrating expert skills in designing and implementing diverse **GenAI** functionalities that enhanced **automation**, user engagement, and operational efficiency.

- Led **troubleshooting** of system design issues, resolving **30+ critical bugs** within tight deadlines, ensuring project milestones were met.
- Spearheaded **PHP and SQL** project development, delivering scalable solutions that supported a 40% increase in user base and **handled 1,000+ transactions daily.**
- **Developed** an **AI-powered PDF** reader with **90% accuracy**.
- Recognized for contributions to project revenue through **PayPal and stripe** integration.

Associate Software Developer   JANUARY 2021 – JUNE 2024
ValueCoders Software And Services Pvt Ltd, Gurgaon
- Developed and optimized full-stack web applications using Node.js, Express.js, MongoDB, and React.js, leading to a **20% increase in application performance**.
- Engineered secure RESTful APIs, **supporting over 10,000 daily transactions**.
- Led responsive interface development using **Bootstrap** and **Material UI**, improving **cross-device usability**.
- Implemented performance enhancements, **reducing web page load times by 30%** and **API calls by 15%**.
- Directed **SSR** and **static** site generation using **Next.js**, boosting web application **speed by 25%**.
- Managed application state with **Redux** and **React Context API** for maintainable solutions.
- Architected application security via **JWT** and **passport.js**, safeguarding a user **base over 50,000**.
- Leveraged **OpenAI GPT models** for chatbot and translation tool innovation in **three major projects**

PROJECTS

Buildacopilot- [Buildacopilot](#) Full-Stack Developer
Technologies: Next.js 16, React 19, Node.js, MongoDB, Azure Blob Storage, OpenAI API, LangChain, Model Context Protocol SDK, Docker
- Developed comprehensive AI-powered platform with **Agent Builder, Copilot Hub, and Prompt Hub,** enabling users to create, share, and **monetize AI agents** with document processing and **MCP integration**, reducing core bundle size by 90% through optimization
- Engineered 50+ RESTful API endpoints with JWT authentication, rate limiting, token-based billing, and Azure Blob Storage integration, supporting real-time WebSocket chat streaming, speech synthesis, and collaborative document editing
- Implemented **PayPal payment** processing with token-based credit system and comprehensive security measures (JWT protection, HTML sanitization, device fingerprinting), enabling marketplace **monetization** for **AI agents and prompts**

Dine Pulse: AI-Powered Restaurant Feedback Platform -Full-Stack AI Developer
Collaboration: Cambridge College London MBA Students
Technologies: Next.js 16, React 19, MongoDB, OpenAI GPT-4, WhatsApp Business API, Azure Blob Storage
- Developed full-stack SaaS platform enabling **restaurants** to collect actionable **customer feedback** in under **60 seconds** through AI-powered conversational interfaces, increasing online review volume and customer engagement
- Engineered multi-channel integration with WhatsApp Business API and **AI-driven sentiment analysis**, automatically routing satisfied customers to **Google Reviews** while capturing detailed insights from others
- Built comprehensive admin dashboard with **real-time analytics and QR code generation**, enabling restaurants to track feedback trends and improve operations based on **AI-categorized insights**

LocalLLMChat: On-Device AI Chat Application with RAG & Web Search-Mobile AI Developer
Technologies: React Native, TypeScript, Expo, llama.rn, ONNX Runtime, SQLite Vector Database
- Developed a p**rivacy-focused Android app running LLMs** (e.g., Llama from Hugging Face) locally for **offline** chats, ensuring complete data sovereignty without cloud dependencies.
- Implemented **RAG** pipeline **with local embeddings**, **vector search, and multi-format document** processing (TXT, DOCX, XLSX, PDF) for semantic retrieval and context-aware responses.
- Integrated **web search (DuckDuckGo)** with query optimization, conversation **history management**, and **optimized inference** for real-time, **resource-efficient performance** on mobile devices.

[View more projects](#)

ACHIEVEMENTS And INTEREST

- **Active contributor** to **open-source generative AI projects**, focusing on creating intelligent agents that interact with **MCP servers**.
- Recently joined the **Citi upstart** as a **full-stack developer**, contributing to both mobile and web applications with **integrated AI solutions**.
- **Authored** a **research paper** titled "**A Review on the Capability and Smart Contract Potential of Blockchain Technology**," presented at the 2023 3rd International Conference on Smart Data Intelligence (ICSMDI).
- Recently **contributed** to the **open-source** project **CODU**, a newsletter platform, demonstrating ongoing commitment to community collaboration and software development.