**Taxil Kathiriya**

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**PROFESSIONAL SUMMARY**

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| A Full Stack Developer with over 4 years of experience creating both engaging user experiences and robust backend systems for the retail and logistics sectors. On the frontend, I specialize in building fast, accessible, and responsive applications using React, Next.js, and TypeScript, with a focus on creating intuitive UIs and reusable component libraries. On the backend, I have architected scalable microservices, optimized ERP systems, and automated critical business logic using Node.js and AWS, directly improving transactional efficiency and operational accuracy across 260+ stores. Integrating blockchain solutions, and resolving critical inventory synchronization issues.  **EDUCATION**  **Master’s in computer science** University of Central Lancashire **Jan** **2023 - Jul 2024**  **Relevant Coursework**: Advanced Web Development, Database Systems, Agile Development, User Interface Design, Critical Analysis |

**PROFESSIONAL EXPERIENCE**

**Betfred United Kingdom**

**Retail Assistant Store Manager June 2025 - Present**

* Oversee daily operations including customer service, bet processing, cash handling, and age verification (Think 25)
* Support promotional events and maintain a well-presented, compliant retail environment.
* Collaborate with the team to enhance service quality.

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| **A.F Blakemore & Son** | **United Kingdom** |
| **Software Engineering Intern** | **June 2024 – Present** |

* Structured the project within a **Turborepo** monorepo and used **Trigger.dev** for automating scheduled reports. Develop **Node.js/Python** backend scripts and microservices to automate pricing rollouts, stock reporting, and system alerts, improving operational accuracy across 260+ stores.
* Build and maintain frontend dashboards using React, Next.js, and TypeScript, integrated with REST APIs and Redis for real-time inventory and pricing visibility.
* Optimize legacy **.NET POS systems** and AWS-based (**EC2, Lambda, S3**) to, reduce latency, and ensure GDPR compliance.
* To help our team get answers from our data more easily, I created a prototype of an AI assistant. I used **OpenRouter** to make it smart, **Supabase** to feed it live information, and **Vercel** to host it. The result was a simple web app where anyone could just ask questions and get instant, up-to-date responses.

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| **Odan Infotech** | **India** |
| **Full Stack Developer** | **Aug 2020 – Jan 2023** |

* Engineered the core modules of a full-stack enterprise ERP system using **Next.js,Node.js, TypeScript**, and **PostgreSQL**. This platform became the single source of truth for all financial and logistical data, improving reporting accuracy for key stakeholders.
* Built and launched a cross-platform desktop application using **Electron**, providing business users with reliable offline access to the ERP. The app’s responsiveness was enhanced by integrating **Upstash** for intelligent data caching.
* Collaborate closely with cross-functional teams to gather user requirements, participate in **Agile planning**, and contribute to **QA and deployment cycles** using **Git** and **CI/CD pipelines**.
* Reduced backend latency in a metaverse game by optimizing its **microservices architecture** and integrating a blockchain ledger for secure in-game asset transactions

**CERTIFICATIONS**

* Meta Front-End Developer Professional Certificate
* React Front to Back by Udemy
* OpenJS Node.js Application Developer (JSNAD)
* Coursera Machine Learning Deep learning by Stanford University (Andrew Ng)
* IBM Full Stack Software Developer Professional Certificate

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**TECHNICAL SKILLS**

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| * **Frontend Development**: React.js, React native, Expo, Next.js, JavaScript, TypeScript, jQuery, HTML, CSS, SASS, Material-UI, Tailwind, Electron.js * **Backend Development**: Node.js, Express.js, ASP.NET MVC, Feathers.js, C#, Asp.net * **State Management & APIs:** Redux, Apollo, Zustand, RESTful APIs, Swagger, Postman * **Database Management**: MySQL, PostgreSQL, MongoDB, Redis, Prisma, Sequelize ORM * **DevOps & Tools**: Docker, Git, CI/CD, AWS (Lambda, S3, EC2, RDS), Oracle, GCP * **Agile & Tools**: Agile Methodologies, Scrum, Jira * **Testing & Automation**: Jest, Selenium, Cypress * **Other Technologies**: Redis, Stripe, Trigger.dev, turborepo, husky * **AI & LLM**: Cursor , Claude, Openrouter |

**PROJECTS**

* **Enterprise Resource Planning (ERP) System for Manufacturing (50+ APIs Integrated):** Led the development of an ERP system to optimize HR, finance, and inventory workflows, improving operational accuracy and client satisfaction. Integrated over 50 RESTful APIs using Node.js, PostgresQL and Feathers.js for real-time data processing, resulting in enhanced efficiency and reduced processing times.
* **PharmEase Management (30% Efficiency Improvement):** Developed a full-stack hospital and pharmacy management system for dermatology clinics, improving operational efficiency by 30%. Implemented backend solutions using Node.js and MySQL, and designed frontend features using Bootstrap and JavaScript. Deployed the system using Nginx as the web server for optimized performance and scalability. Integrated AI-powered diagnostic tools, increasing diagnostic accuracy by 25%.
* **Interactive Educational Platform with Gamification (25% User Satisfaction Increase):** Designed and developed an educational platform featuring real-time collaboration and gamification using Node.js, React.js, and MySQL. Integrated Material-UI for a responsive and user-friendly interface, resulting in a 25% increase in user engagement and retention.
* **Machining Data Tool Wizard (IoT-Enabled Operations):** Developed an application that facilitates access to machining data and performs automatic calculations based on user inputs. Crafted the frontend with React and Material-UI, and the backend with Node.js, Feathers.js, TypeScript, and AWS. Utilized AWS’s serverless architecture to scale operations cost-effectively. Enhanced tool functionality by integrating IoT sensors that provide real-time data on machine conditions and operational metrics.
* **Metaverse-Based Game Backend Optimization (Blockchain Integration):** Optimized backend performance by reducing latency for a metaverse-based game. Leveraged blockchain technology for secure transactions, showcasing innovative solutions to ensure scalability and system security.
* **SaaSify Studio** (AI-Powered SaaS Blueprint Generator): Architected and developed a full-stack platform that transforms user ideas into comprehensive SaaS blueprints using the OpenAI API. The application generates market feasibility analysis, core feature lists, technical stack recommendations, and automatically creates project management assets like visual user flow diagrams (React Flow) and interactive Kanban boards (@dnd-kit).
* **DeckDuel Real-Time Multiplayer Card Game (Scalable Backend Architecture):** Engineered the complete backend for a real-time, multiplayer card game supporting hundreds of concurrent players. Developed a robust server architecture using **Node.js**, **Express.js**, and **MongoDB**, with **Socket.IO** for low-latency, bidirectional communication. Implemented comprehensive game logic, user management, and social features including a friends system, in-game chat, and leaderboards.
* **3 Cards Multiplayer Game (Multi-Variation Gameplay Engine):** Developed the backend for a popular "3 Patti" card game, featuring multiple gameplay variations (e.g., AK47, Muflis, Lowest Joker) and a complete tournament system. Utilized **Node.js** and **MongoDB** to manage complex game states, user accounts, and virtual currency transactions. Integrated a specialized solver library to ensure accurate and fair hand rankings across all game modes.
* **JobCore Recruitment Platform (Aggregator & High-Speed Search Engine):** Architected a full-stack job board application that aggregates tech job listings from multiple platforms. Engineered a high-performance backend using **Node.js**, **Express.js**, and **MongoDB**, with **Typesense** for ultra-fast, typo-tolerant search capabilities and OpenAI api for LLM,. The frontend was built with **Vite.js**, **React.js** and **TypeScript**, utilizing **Zustand** for state management and **tailwind** for a clean, responsive user interface. Managed the project within a **Turborepo monorepo** to streamline development and deployment of the client and server packages.
* **Portfolio**: I architected and built my personal portfolio as a full-stack digital hub using a modern, type-safe monorepo (**Turborepo**). The platform leverages **Next.js** and **React**  for a highly performant, interactive frontend, while the backend uses **oRPC**, **Drizzle ORM**, and **PostgreSQL** to power an **MDX**-based blog and real-time integrations with services like GitHub and Spotify. A comprehensive **CI/CD** pipeline with automated testing (**Vitest**, **Playwright**) ensures constant reliability and quality.