Taxil Kathiriya

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# PROFESSIONAL SUMMARY

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, Vite, and TypeScript, C# with a focus on creating intuitive responsive UIs. On the backend, I have architected scalable microservices, optimized ERP systems, and automated critical business logic using .NET, Node.js, GraphQL SQL/NoSQL databases 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

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| **A.F Blakemore & Son** | **United Kingdom** |
| **Software Engineer** | **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.
* Built 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.

## Betfred United Kingdom

**Retail Assistant Manager (Part-Time) 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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| **Odan Infotech** | **India** |
| **Full Stack Developer** | **Aug 2020 – Jan 2023** |

* Engineered the core modules of a full-stack ERP system using **Next.js, Node.js, GraphQL**

**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

# TECHNICAL SKILLS

* **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

**SELECTED PROJECTS** *(Portfolio:* [*tk-portfolio-web.vercel.app*](https://tk-portfolio-web.vercel.app/)*)*

**Enterprise Resource Planning (ERP) System for Manufacturing |** [**Live Lin**](https://www.myweighbridge.com/)**k |** Engineered a manufacturing ERP system, integrating 50+ RESTful APIs and GraphQL endpoints for real-time data processing, enhancing reporting accuracy and operational efficiency. (C#, Node.js, Feathers.js, GraphQL, PostgreSQL)

**Machining Data Tool Wizard |** [**Live Lin**](https://app.somta.co.za/)**k |** Built an **IoT-enabled tool** for real-time machining data access and automated calculations, utilizing an **AWS serverless architecture** for cost-effective, scalable operations. React, Material-UI, Node.js, TypeScript, feathers,js , AWS, IoT

**Metaverse Game Backend Optimization |** [**Live Lin**](https://app.vircadia.com/%23/)**k |** Optimized the backend using Node.js, webhooks real-time gameplay in a metaverse environment. Integrated Web3.js to enable secure blockchain-based transactions, including token handling and NFT ownership. Focused on building scalable APIs, handling player sessions, and ensuring transparent, decentralized in-game asset management. Used Babylon.js and Vue for rendering and interface integration**.**

**SaaSify Studio (AI-Powered SaaS Blueprint Generator) |** [**Live Link**](https://saasify-studio.vercel.app/) **|** Architected an AI platform using the **OpenAI API** to generate SaaS blueprints, including market analysis, feature lists, and interactive project management assets like user flows (**React Flow**) and Kanban boards. React, Node.js, openrouter, Next.js

**Personal Portfolio & Blog |** [**Live Link**](https://tk-portfolio-web.vercel.app/) **|** Built a personal portfolio using a modern, **type-safe monorepo (Turborepo)**, a full **CI/CD pipeline** with automated testing (Vitest, Playwright), and

real-time API integrations. Next.js, React, TypeScript, Turborepo, oRPC, Drizzle ORM, PostgreSQL, CI/CD