

ODINAKA JOY

Software Engineer | Backend Developer

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SUMMARY

- +4 years building web platforms with **TypeScript**, React.js, Next.js, Node.js, Express.js and OCaml
- Hands-on experience on **AI-powered applications** integrating **LLMs and models**.
- Built a **SaaS B2B application** with 300+ active organizations and 20,000+ users.
- Managed and built an **ERP** for a haulage company with 1,000+ users.
- Managed and built a **Learning Management system** for a tech training company with payment integration.
- Ported a unix-based git-like database to work on web platforms using JavaScript and Web Socket.

SKILLS

- **Languages:** JavaScript (Node.js, TypeScript), Python (AI/ML), OCaml
- **Frameworks/Tools:** Express.js, React.js, Next.js, LangChain, FastAPI (learning)
- **Databases:** PostgreSQL, MongoDB, Irmin (OCaml Git-like DB)
- **AI/ML:** LLMs (RAG, fine-tuning, Agents), Pandas, Matplotlib, NumPy, Scikit-learn
- **Others:** Git, GraphQL, REST APIs, Docker, TailwindCSS, AWS, GCP

EXPERIENCE

Backend Developer — AcceleratorApp

Feb 2022 - Oct 2024

- Built and maintained an incubation platform serving 300+ startups and 20,000+ users using React.js and Node.js.
- Designed backend features with Node.js and Express.js, focusing on performance and reliability.
- Improved integrations for startup application reviews, reporting, and user management.
- Integrated third-party tools like Zapier to automate complex workflows for clients, reducing manual effort and increasing customer satisfaction

OCaml Developer — Tarides

Jan 2022 - Jul 2022

- Ported **Irmin**, a Git-like OCaml database to be integrated also into web projects.
- Collaborated with senior engineers to maintain open-source standards and code quality.

Outreachy Intern

May 2021 - Aug 2021

- Worked on a **GraphQL API** to access **opam** packages, improving developer tooling in the OCaml ecosystem.

Team Lead & Backend Developer — Loctech IT Solutions

Aug 2020 - Dec 2020

- Led a team of four to build an ERP system automating years of manual processing using React.js and Node.js.
- Worked as a contract developer to build an online learning management system (*Contract Role: Sep - Dec 2021*)

PROJECTS (Selected)

- **DocuQuery** – Q&A on documents using LLMs. Lets users upload files and query them directly. (*Next.js, LangChain, OpenAI API*)
- **Job Application Assistant** – SaaS concept helping users streamline applications with AI support. (*Next.js, Node.js, OpenAI APIs*)
- **AuthXpress** – Authentication and authorization service for modern web apps. (*React.js, Node.js, Express, MongoDB*)

👉 More projects: github.com/dinakajoy

EDUCATION

Higher National Diploma (HND), Computer Science - Federal Polytechnic Nekede, Owerri