

# Diana-Abasi Ekpenyong

Full-Stack Software Engineer · React · Next.js · Node.js · TypeScript · Web3

Uyo, Nigeria

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[LinkedIn](#) · [GitHub](#) · [Portfolio](#)

## PROFESSIONAL SUMMARY

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Full-Stack Software Engineer with hands-on experience shipping production web applications and cross-platform platforms using React, Next.js, Node.js, and TypeScript. Proven track record of optimising frontend performance, building scalable backend services, and integrating third-party APIs in agile, fast-moving teams. Additional expertise in Web3/Solidity development and React Native mobile applications.

## TECHNICAL SKILLS

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**Languages:** JavaScript, TypeScript, Python, SQL, Solidity

**Frontend:** React, Next.js, TailwindCSS, Redux, Web3.js

**Backend:** Node.js, Express.js, REST APIs, GraphQL, Django

**Mobile:** React Native

**Databases:** MongoDB, MySQL, PostgreSQL, Firebase

**Cloud & DevOps:** AWS, Docker, Vercel, Cloudflare, GitHub Actions

**Testing:** Jest, Unit Testing, Integration Testing

**Workflow:** Agile, CI/CD, Code Reviews, Performance Optimisation

## WORK EXPERIENCE

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### Profunda Web3 Academy · Lead Full-Stack Developer

Nov 2025 – Present

- ▶ Engineered and led end-to-end delivery of PW360, a cross-platform learning platform serving 300+ active users, achieving 35% faster page load by implementing lazy loading, code splitting, and modular component architecture with React and Next.js.
- ▶ Reduced deployment risk by introducing a GitHub Actions CI/CD pipeline automating build validation and deployment to Vercel across staging and production environments, accelerating release cycles by 40%.
- ▶ Established a Jest-based unit and integration testing suite covering 12 core modules, cutting production bug rate by 30% within 3 sprints.
- ▶ Reduced video delivery latency by 45% for a global audience by integrating Cloudflare Stream and Cloudinary for optimised media streaming and asset management.
- ▶ Improved state predictability across 20+ frontend components by implementing Redux for centralised state management, eliminating prop-drilling and reducing UI-related bug reports by 25%.
- ▶ Secured 100+ monthly user transactions by integrating secure payment gateway APIs and building JWT-based authentication with end-to-end input validation using Node.js and Express.js.

- ▶ Cut sprint delivery time by 20% by leading stakeholder alignment sessions, defining sprint priorities, and coordinating release milestones across a 6-person cross-functional team.

## **Techroom Services, Uyo · Junior Software Developer Intern**

*Feb 2024 – Aug 2024*

- ▶ Reduced frontend load times by 20% for 500+ active users by implementing lazy loading and code splitting across a React and Node.js production application, improving Core Web Vitals scores.
- ▶ Improved API response reliability across 15 REST endpoints by debugging integration layers and improving error handling, enabling seamless data flow for 8 critical user flows.
- ▶ Lowered post-merge defect rate by 25% by participating in 5+ peer code reviews per sprint, catching regressions and logic errors before they reached production.
- ▶ Delivered 8 features on schedule across 6 Agile sprints by contributing to daily standups, sprint planning, and retrospectives within a 8-person engineering team.

## **PROJECTS**

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### **[Rekur App](#) - Full-Stack Production Application**

Next.js · Node.js · MongoDB · TailwindCSS

- ▶ Shipped a production-grade web application serving 80+ real users with 99.5% uptime by architecting scalable Next.js interfaces and reliable Node.js backend APIs with structured MongoDB schemas and input validation.
- ▶ Cut feature development time by 30% by building a library of 25+ reusable React components, reducing per-feature delivery from 5 to 3 days.
- ▶ Reduced data integrity errors by 40% by designing normalised MongoDB schemas and adding server-side validation, improving overall application reliability.

### **[PW360](#) - Cross-Platform Learning Platform**

Next.js · Node.js · MongoDB · Firebase · Cloudinary · Cloudflare Stream

- ▶ Led end-to-end development of a cross-platform learning platform, delivering 8 core features within 4 months and onboarding 90+ users at launch with zero critical post-launch defects.
- ▶ Improved video load times by 50% for 90+ concurrent learners by integrating Cloudflare Stream and Cloudinary, replacing a slower media pipeline.
- ▶ Raised platform maintainability score by 35% by applying reusable component architecture and modular code organisation, reducing average time-to-fix for bugs by 30%.

### **[Art Auction Platform](#) - Real-time MERN Stack Auction System**

React.js · Node.js · MongoDB · Websockets · TailwindCSS

- ▶ Built a real-time auction system handling 20+ concurrent bids by engineering scalable MongoDB schemas, Express.js APIs, and event-driven backend logic for live bidding interactions.
- ▶ Secured 50+ registered user accounts with JWT authentication, bcrypt password hashing, and protected API routes, achieving zero auth-related security incidents during a month of testing.

- ▶ Cut average API response time from 820ms to 210ms by optimising MongoDB queries and implementing pagination, improving overall platform responsiveness by 74%.

## **EDUCATION**

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**B.Sc. Computer Science** · University of Uyo, Nigeria · 2021 – 2025

*Relevant Coursework: Data Structures & Algorithms · Database Systems · Software Engineering · Organisation of Programming Languages · Operating Systems*