

Nathaniel Essien – Software Developer

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OBJECTIVE

Innovative and results-driven Software Developer specializing in JavaScript, TypeScript, React, Next.js, Node.js, and Express.js, with a strong focus on API design, documentation, and data modeling. I bring a wealth of experience in crafting scalable, high-performance applications, designing robust RESTful APIs, and translating complex business requirements into detailed API specifications. With expertise in full-stack architectures, I optimize databases, automate workflows, and ensure seamless integration between front-end and back-end systems. My ability to translate complex problems into efficient, scalable solutions, combined with a keen eye for design, ensures the creation of intuitive, user-centric interfaces. Thriving in fast-paced, collaborative environments, I consistently deliver high-quality, production-ready applications that enhance business operations and user engagement. Eager to leverage my skills to build and optimize cutting-edge software solutions, I am a strategic asset ready to drive innovation and impact.

TECHNICAL SKILLS

Programming Languages: JavaScript (ES5 & ES6), TypeScript,

Front-End Development: HTML5, CSS, SCSS, jQuery

Frameworks & Libraries: React.js, Next.js, TailwindCSS, Material UI, Bootstrap, Shadcn UI, Styled-Components, CSS Modules, React-Hook-Form, React-Query

Back-End & Full-Stack Development: Express, Node.js

Database & Cloud Technologies: MongoDB, PostgreSQL, Firebase, Supabase, Prisma

State Management: Redux Toolkit, Zustand

Testing & Automation: Jest, Cypress, TDD (Test-Driven Development)

DevOps & Tools: Git, GitHub, Bitbucket, GitLab, CI/CD, Docker

API Development & Integration: REST API, GraphQL, Axios, Postman, OpenAPI/Swagger, JSON Schema, Stoplight, API Contract Testing

PROFESSIONAL EXPERIENCE

Stykite- *Delaware, USA.*

July 2024 – December 2024

Fullstack Developer (Remote)

Key Responsibilities:

- Engineered a scalable full-stack fintech platform using MongoDB, Node.js, Express.js, React, Next.js, TypeScript, and TailwindCSS, processing millions of transactions securely and efficiently.
- Designed and documented RESTful APIs, including endpoints, data schemas, and cross-resource dependencies, using Markdown, OpenAPI, and Postman to ensure clarity and scalability for developers and stakeholders.
- Integrated secure authentication and authorization flows with OAuth and JWT, ensuring 100% compliance with fintech security standards.
- Conducted API contract testing and automated validation to ensure consistency in error responses and adherence to HTTP/REST protocols.
- Boosted front-end performance by 50% by leveraging server-side rendering (SSR), code-splitting, and lazy loading, ensuring lightning-fast load times.

- Transformed complex financial workflows into seamless user experiences, improving customer adoption by 35% with intuitive dashboards, real-time data visualizations, and automated financial insights.
- Designed and documented API resources, including database tables and microservices, ensuring clarity and scalability for complex systems.
- Collaborated with cross-functional teams to refine API specifications, ensuring alignment with business requirements and usability goals.

Caliber6 - *New York, USA.*

April 2024 – June 2024

Lead Front-end Developer (Remote, Contract)

Key Responsibilities:

- Spearheaded the creation of reusable and pixel-perfect components using ReactJS and Next.js, which improved code modularity and maintainability. This approach facilitated the seamless integration of new features and reduced development time by 25%.
- Worked closely with design teams and stakeholders to transform concepts into captivating web experiences. Facilitated the seamless integration of backend APIs to align with design objectives, surpassing client expectations.
- Employed advanced optimization techniques such as code splitting and lazy loading to enhance website performance and user experience, leading to decreased bounce rates and 70% conversion rates.
- Developed and maintained a comprehensive testing suite using Jest for unit and integration tests, ensuring robust code quality and early detection of bugs. This enhanced the reliability of the application, leading to a more stable and maintainable codebase.
- Implemented end-to-end tests with Cypress to verify the complete functionality of the application from the user's perspective, providing a smooth and error-free user experience. This contributed to a 60% reduction in post-deployment issues and increased overall user satisfaction.

Voc AI - *California, USA.*

February 2024 – April 2024

Lead Front-end Developer (Remote, Contract)

Key Responsibilities:

- Harnessed advanced Next.js features and cutting-edge image optimization techniques to maximize website performance, delivering seamless user experiences across diverse devices and platforms. [rainbasketballus](#)
- Utilized TypeScript for rigorous type safety and employed Tailwind CSS to optimize the styling process. Incorporated Framer Motion and GSAP to craft compelling animations, enhancing user engagement and retention.
- Directed the integration of Shadcn UI to develop robust and responsive components, significantly improving accessibility and usability for both mobile and desktop users.
- Proactively managed and updated the website, efficiently resolving domain issues to minimize downtime and ensure uninterrupted functionality, demonstrating a steadfast commitment to superior user experiences.

Key Responsibilities:

- Built high-performance RESTful APIs, leveraging Express.js middleware for optimized request handling and error management.
- Integrated backend systems with front-end applications using React and Next.js, ensuring seamless UI/UX while maintaining server-side performance.
- Automated API testing using tools like Mocha and Chai, catching bugs early and reducing post-deployment issues by 60%, ensuring reliable application rollouts.
- Engineered efficient data processing pipelines with Node.js, enabling real-time data handling and improving system scalability for high-traffic environments.
- Spearheaded the development of pixel-perfect UI designs for a diverse clientele, including [danritbeautysalon](#), [AICCEES](#), [HirschKeshav](#), [SoftwareEngineerPortfolio](#), [BriansPortfolio](#), [Prodlead](#). Utilized HTML, CSS, React, Next.js, ES6, JavaScript, Bootstrap, and Tailwind CSS to establish a strong professional online presence and deliver exceptional user experiences.
- Architected and optimized a high-performing e-commerce platform using ReactJS and Next.js, achieving a 30% increase in sales and a 25% boost in user retention through the implementation of dynamic product pages, efficient payment gateways, and a seamless user experience.
- Integrated third-party services and APIs to enhance platform capabilities, including real-time updates, payment processing, and social media sharing features.
- Optimized front-end performance by implementing efficient coding practices, lazy loading, and caching techniques to enhance website speed and responsiveness.
- Ensured cross-browser compatibility and responsiveness across various devices and screen sizes, providing a seamless experience for all users.

EDUCATION

University of Uyo

August 2023

Bachelor of Science (Hons.) Chemistry

RELEVANT COURSES AND CERTIFICATES

- [Programming with Javascript \(Meta\)](#) September 2023
- [Responsive Web Design \(freeCodeCamp\)](#) May 2022
- [Foundations of User Experience Design \(Google\)](#) March 2022
- [React.js \(Hackerrank\)](#) February 2023
- [Javascript \(Hackerrank\)](#) February 2023