USMAN ALABURA

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Professional Summary

I'm a full-stack, **frontend-focused** engineer with experience in **fintech/banking**, **healthcare**, **proptech**, **edtech**, and cybersecurity. Currently, I specialize in **AI engineering**—building **chatbots**, **fine-tuning LLMs**, and developing AI agents & Agentic AIs to drive business innovation. My mission is to create solutions that makes a lasting impact in businesses and the universe.

Relevant Work Experience

Senior FullStack Engineer
Software Business Solutions Consulting (SBSC) — Jul 2022 - Present (Outsourced to FBNQuest Merchant Bank) | Lagos Nigeria.

TECH STACK: TypeScript, Next JS, React JS, Vue JS, Angular JS, Jest, Node JS, Docker, & Nginx

KEY ACHIEVEMENTS:

- **Enhancing Banking Solutions at FBNQuest Merchant Bank:** As a dedicated engineer outsourced to FBNQuest Merchant Bank, I played a pivotal role in enhancing communication and operational efficiencies across seven key banking entities.
- **Custom Email Templates & Communication:** Developed custom email templates for essential banking communications (credit/debit notifications, account statements, etc.), ensuring clarity and consistency in client interactions.
- **Leading Frontend Development:** Spearheaded frontend development for high-impact applications, including the **FirstNote Investment Platform**, **Q-Connect**, **CBN FX Blotte**r, and **BVN Watchlis**t, significantly improving user engagement and functionality.
- **Optimizing User Experience:** Leveraged A/B testing and data analytics to identify and implement enhancements that boosted user satisfaction across critical banking applications.
- **Securing Banking Applications:** Conducted rigorous security testing using OWASP ZAP Proxy, proactively identifying and resolving vulnerabilities to protect sensitive financial data.
- **Agile & Project Leadership:** Led sprint planning, backlog refinement, and cross-functional collaboration to ensure timely delivery of high-quality software solutions tailored to banking needs.

User-Centric Frontend Lead (Contract)
Astro Marketers — Nov 2023 - December 2024 | Lagos, Nigeria

TECH STACK: Vue (3), Vuex, Vitest, TypeScript, Node Js, Gsap, & DevOps

KEY ACHIEVEMENTS:

- **Boosting Efficiency with Custom Tools:** Spearheaded development of a custom CSS icon library and a bespoke toast notification library, optimizing team workflows.
- **Sprint Planning & Agile Leadership:** Led sprint planning sessions, managed sprint backlogs, and facilitated daily stand-ups, ensuring timely delivery of features.
- **Initiative in Analytics:** Implemented Google Analytics for Onecopy AI Version 3, enabling data-driven insights into user behavior and application performance.
- **Transforming UI/UX:** Championed a user-centric approach by transforming outdated table formats into engaging card interfaces, significantly enhancing user experience and data comprehension.

- **Ensuring a Smooth Launch:** My responsibilities extended beyond development. I played a vital role in managing the deployment process, ensuring a smooth and successful launch of the final solution.

Senior Frontend Engineer (Freelancer)
BudgIT Nigeria — May 2023 – July 2023 | Lagos, Nigeria
TECH STACK: Next JS, React JS, TypeScript, Node JS, & Nest JS

KEY ACHIEVEMENTS:
- **Component Library Development:** Collaborated with the frontend team to build a custom React component library, streamlining development workflows across BudgIT's projects.
- **Leveraging the Library for Impact:** Utilized the newly developed component library to accelerate the creation of the Primary Healthcare Accountability (PHC) Tracker, significantly reducing development time and ensuring consistency across the platform.
- **Championing Healthcare Accountability:** Developed a robust web application with Next.js that empowers Nigerians with real-time access to critical health data, promoting transparency in the healthcare sector.
- **Deployment & Automation:** Led the deployment process via Vercel, ensuring a seamless launch with zero downtime, thereby enhancing user access to healthcare data.
- **Accessibility Focus:** Designed an inclusive user interface with a focus on accessibility, ensuring ease of navigation and interaction for all users, regardless of their technical proficiency.
- **Agile Collaboration:** Played a key role in sprint planning, retrospectives, and code reviews, continuously refining the development process and enhancing team productivity.

Frontend Engineer
Acronis International GmbH — Apr 2022 - Dec 2022 | Schaffhausen, Switzerland
TECH STACK: Vue JS, Vuex, Angular JS, TypeScript, JavaScript, Jest, Jenkins, & Docker

KEY ACHIEVEMENTS:
- **Bridging the Design Gap:** Collaboration is key! I partnered with the UI/UX team, ensuring seamless translation of their stunning Figma designs into functional frontend elements. This close collaboration resulted in a visually cohesive and user-friendly experience.
- **JavaScript to TypeScript Hero**: Not all code is created equal. I identified an opportunity to improve code quality and maintainability by analyzing, redesigning, and rewriting an entire JavaScript module in TypeScript. This transformation not only strengthened the codebase but also set a new standard for future development.
- **The Organization Architect:** A messy codebase can slow anyone down. I developed a scalable module file structure that was later adopted across other modules. This innovative approach not only enhanced code organization but also improved readability for the entire team, streamlining development and reducing errors.
- **Testing Champion:** Quality matters! I championed rigorous testing practices, boosting test coverage for two crucial modules to 60% and 42% respectively. Through dedicated debugging efforts, I identified and resolved vulnerabilities, ensuring a more robust and reliable platform.
- **Simplifying Complexity:** Frustrated by a complex store structure? I took action! By abstracting API integration logic out of the store, I simplified the process for other team members. This innovative approach streamlined workflows, improved efficiency, and empowered the team to focus on creating amazing features.
- **Code Quality Guardian:** Code review is essential! I actively participated in frequent code reviews alongside the team manager and members. Through collaborative discussions, we identified opportunities to optimize code quality and promote best development practices. This focus on continuous improvement ensured a high-performing and maintainable codebase.

Frontend Developer/Supervisor
Liveable NG — Feb 2022 – Jul 2022 | Lagos, Nigeria
TECH STACK: Next JS, React JS, TypeScript, Turborepo & Laravel

KEY ACHIEVEMENTS:
- **Bridging the Gap Between Product and Users**: I wasn't satisfied with just building features. Collaborating with product developers and managers, I became a champion for user experience. Together, we tackled challenges to enhance user interactivity and optimize the overall experience, ensuring users felt empowered and engaged with the platform.
- **Streamlining the Dev Journey:** Imagine a frontend team slowed down by repetitive tasks? Not anymore! I developed a custom React and Next JS starter kit, a secret weapon that streamlined development workflows and boosted efficiency. This innovation empowered the team to focus on creating groundbreaking features, not boilerplate code.
- **Knowledge Transfer: Building the Next Generation:** I believe in empowering others. As a mentor, I guided team members and interns on using TypeScript with React and Next JS. Witnessing their growth and confidence as they mastered these powerful tools was incredibly rewarding.
- **Micro-frontend Maestro:** The LandlordHeaven and Liveable NG portals needed a modern architecture. I took the lead, implementing a micro-frontend architecture with Turborepo. This innovative approach, featuring a separate Authentication Module, not only ensured secure user management but also promoted code reusability, laying the foundation for future scalability.
- **From Design to Reality:** The magic happens when design meets development. I played a multifaceted role, developing multiple API services, meticulously converting Figma designs to code, and integrating endpoints. These efforts seamlessly translated stunning designs into functional features, breathing life into the platform.
- **Building Blocks for Success:** Tired of repetitive coding tasks? I took action! By crafting two reusable NPM packages, I expedited and simplified development for team members. These packages became the building blocks for future projects, saving countless hours and promoting code consistency.
- **Knowledge is Power:** Documentation is key! I meticulously documented libraries and packages, creating a treasure trove of knowledge for the company and team. This investment in knowledge management not only empowered current developers but also facilitated a smooth learning curve for future team members.
- **Optimizing the Core:** A strong foundation is crucial. I actively contributed to database design and optimization, ensuring efficient data storage and retrieval. This focus on performance ensured the platform ran smoothly, handling user requests with lightning speed.

Frontend Developer (Freelancer)
ByteCohort NG — Jan 2022 – Apr 2022 | Lagos, Nigeria
TECH STACK: React JS, Redux, TypeScript, Docker & Nginx

KEY ACHIEVEMENTS:
- **Bridging the Design-Development Gap:** I meticulously translated Figma designs into robust and high-quality frontend code, ensuring a seamless translation from vision to reality. This focus on fidelity resulted in an intuitive and user-friendly interface that exceeded client expectations.
- **Streamlining the User Experience:** I championed efficient workflows by integrating the frontend with the backend through strategic API integration and state management techniques. This facilitated efficient data retrieval and enhanced overall platform performance, creating a smooth and responsive user experience.
- **Delivering Quality Solutions:** Demonstrating a commitment to excellence, I conducted thorough Quality Assurance (QA) testing in collaboration with the client. This proactive approach guaranteed the delivery of a reliable and error-free solution, fostering trust and long-term client relationships.

Frontend Developer
Gradely Technologies NG — **Nov 2021 – Feb 2022 | Lagos, Nigeria**
TECH STACK: Vue JS, Vuex, TypeScript, & QA

KEY ACHIEVEMENTS:
- **Revolutionizing Report Cards:** I spearheaded the development of the Report Card Web App, equipping it with a range of cutting-edge features to empower educators and administrators. This innovative application transformed the report card process, enhancing user experience and streamlining workflows.
- **Customization at its Finest:** I implemented multiple customizable reporting templates, catering to the diverse needs of educational institutions. This flexibility ensured the platform could adapt to various educational settings, providing a valuable tool for all users.
- **Efficiency for All:** Streamlined data entry features simplified the process for educators and administrators, saving them valuable time and resources. This focus on efficiency allowed them to focus on what matters most - their students.
- **Automated Intelligence:** I integrated automatic result computation and grading into the platform, significantly reducing manual workload for educators. This innovation not only saved time but also ensured consistent and accurate grading practices.
- **Enriching the User Experience:** Interactive graphs, charts, a dynamic comment generator, and secure digital signatures further enriched the platform. These features provided educators with valuable insights and facilitated clear communication with parents and students.
- **Building Trust Through Quality:** My proactive approach to QA identified and resolved software bugs, reducing user-reported defects by 28%. This commitment to quality ensured a reliable and user-friendly platform for all stakeholders.

Software Engineer Team Lead
AspireUnivas InterSystems LLC — **Apr 2021 – Nov 2021 | Jos, Nigeria**
TECH STACK: React JS, Vue JS, JavaScript, Laravel, & QA

KEY ACHIEVEMENTS:
- **Leading the Way to Educational Innovation:** As the Software Engineer Team Lead, I spearheaded resource gathering and system requirement analysis. This ensured a deep understanding of the Plateau State Ministry of Education's needs, enabling the development of effective EdTech solutions.
- **Building a Strong Foundation:** I actively contributed to database design, optimizing data storage and retrieval for enhanced platform functionality. This focus on a strong foundation ensured the EdTech solutions could handle user demands and deliver valuable educational tools.
- **Delivering Quality EdTech Solutions:** I managed the front-end development and testing of applications, guaranteeing high-quality software and a positive user experience for educators and students. My leadership ensured the EdTech solutions were not only functional but also user-friendly and effective in improving educational outcomes.
- **Bridging the Gap Between Education and Technology:** Through collaboration with government officials and ministries, I played a key role in identifying system requirements. This resulted in the successful delivery of three EdTech solutions for the Plateau State Ministry of Education. These solutions facilitated knowledge transfer and empowered educators with innovative tools, ultimately enhancing educational outcomes.

Mobile Developer (Contract)
BitSense Pay NG — **Jan 2021 – Mar 2021 | Abuja, Nigeria**
TECH STACK: Flutter, & QA

KEY ACHIEVEMENTS:
- **From Design to Reality:** As the Mobile Developer, I bridged the gap between design and functionality. I meticulously translated UI/UX designs into functional Flutter code, ensuring a seamless integration with backend services. This close collaboration between design and development resulted in a mobile application that looked great and functioned flawlessly.

- **MVP Achieved!:** Thanks to the collective efforts of the BitSense team, we successfully developed and delivered the MVP (Minimum Viable Product) on schedule. This MVP served as a strong foundation for the mobile application and allowed for valuable user feedback before the official launch in late 2021.

Frontend Developer (Freelancer)
Rimotli NG — Jul 2020 – Sep 2020 | Jos, Nigeria
TECH STACK: React JS, CSS, SCSS & Firebase

KEY ACHIEVEMENTS:
- **Crafting a Cohesive User Experience:** I spearheaded the development of the platform's theme, ensuring a visually stunning and consistent user interface. To empower the React engineers, I collaborated with a colleague to create a robust SCSS library and reusable web components. This teamwork resulted in a significant boost in frontend development efficiency, allowing the team to focus on crafting a polished user interface that not only looked great but also functioned flawlessly.

Software Engineer
KusuConsult NG — Jul 2019 – Apr 2020 | Jos, Nigeria
TECH STACK: Vue JS & Vuex, Web 3, JavaScript, Formatic, & Firebase

KEY ACHIEVEMENTS:
- **Blockchain for Education:** As a Frontend Engineer, I collaborated with the KusuConsult team to develop a revolutionary project - the e-management dapp, a decentralized school management system. Leveraging blockchain technology, this innovative application offered enhanced security, immutability, and decentralization, transforming the way schools manage data.
- **From Vision to Reality:** I took charge of sketching out the user journey, ensuring a smooth and intuitive user experience. I then meticulously translated designs into functional code and effectively integrated with smart contracts on the frontend. Additionally, I donned the Project Manager hat, coordinating closely with smart contract developers to guarantee the project's smooth progress. This multifaceted role allowed me to play a pivotal role in bringing this groundbreaking EdTech solution to life.

Skill Set Summary: Technologies, Libraries & Tools

- **Languages:** TypeScript, JavaScript, Python, & Dart
- **Libraries & Frameworks:**
  - **React Ecosystem**: React JS, Next JS, Gatsby, React Native, Styled Components, Framer Motion
  - **Vue Ecosystem**: Vue JS, Nuxt, Vuex, Pinia
  - **Angular Ecosystem**: Angular JS, NgRx, RxJS
  - **Backend**: Node Js, Nest JS, FastAPI Python, & Laravel
  - **Vanilla**: CSS & SCSS/SASS
  - **UI Component Libraries**: Shadcn UI, Headless UI, Tailwind CSS, Daisy UI, PrimeReact, PrimeNG, PrimeVue, Vuetify UI,
  - **Animations & Effects**: Framer Motion, Gsap, Anime JS, Animate CSS
- **Testing & Monitoring:** Jest, Vitest, Playwright, & Google Analytics
- **Tools & Platforms:** Git, SVN, Docker, Nginx, Vercel, AWS Lambda, Storybook, Canva, & Figma
- **Agile & Project Management:** Sprint Planning, & Backlog Management
- **Cloud & DevOps:** Vercel, AWS Amplify, Docker
- **Code Security & Audit:** Synk, & Owasp Zap

- **Interests:** SVG Animations, Micro-Interactions, Monorepos (Nx, Turbo Repo), Design Systems, Application Security, Data Analytics, Prompt Engineering for Optimized User Interaction, & LLM Fine tunning.

Recent Projects

Astro-Marketers Nigeria - OneCopy Business AI V3

OneCopy AI is a versatile tool designed to help users generate high-converting copy, blog posts, books, and AD campaigns. Additionally, it offers AI-generated images, natural text-to-speech for AD videos, and an interactive AI chat feature with templates for various business needs. Creatives and professionals can leverage these tools to find clients, provide services, and get paid. **I also took the initiative to integrate Google Alanlytics to track user engagement and improve feature prioritization**.
Successfully developed and delivered the project on time.
Explore the solution with this demo video meticulously engineered with Vue 3: OneCopy AI Demo

URL — https://app.onecopy.ai/

BudgIT Nigeria

Developed a primary healthcare accountability tracker using Next.js, React.js, and Node.js. This web app facilitates PHC monitoring across Nigeria, promoting transparency in BHCPF implementation.

The solution (MVP) was delivered promptly and was successfully launched.

URL — https://www.phctracka.org/

Landlord Heaven

Spearheaded development of Landlord Heaven, a platform empowering landlords to maximize rental income. Led the team in delivering the initial iteration through a successful launch.

URL — https://www.mylandlordheaven.com/

Liveable

Liveable is a cutting-edge platform designed to assist professionals in finding comfortable and livable homes with unparalleled ease. As the lead Frontend Developer, I played a pivotal role in directing and guiding the development team to create the initial iteration of this platform.

Through the unwavering efforts of the team, we successfully launched the initial iteration of the Liveable platform.

URL — https://liveable.ng/

SSAF Logistics

As a Frontend Developer for the Shipment Tracking Solution, my role encompassed the successful implementation of the following key modules:
- Package Location Tracking

- Delivery Status Updates e.t.c

 URL — https://ssaflogistics.com/

FBNQuest Merchant Bank
- Created and implemented custom email templates for seven entities of FBNQuest Merchant Bank, including credit and debit notifications, account statements, and birthday notifications.
- Developed a streamlined investment dashboard, empowering staff to efficiently access and manage customer and investment records.

No reference URL(s) because these are internal Bank Applications.

Gradely Report Card App

At Gradely, I played a pivotal role as a Frontend Developer, working closely with Product Managers, Designers, and Marketers to create the highly successful Gradely Report Card Solution. This innovative solution was seamlessly integrated with other Gradely applications on the Gradely App Store.

The solution was delivered promptly in that iteration

URL — https://app.gradely.ng/report-card/home

Plateau State Ministry of Education

As a Software Engineer in the AspireUnivas team, I played a pivotal role in crafting the online presence of the Plateau State Ministry of Education.

During our collaborative sessions, we brainstormed and strategized the One-Education Initiative, meticulously outlining plans for the development of both SIMS and OneClass solutions. These innovative endeavors were further solidified through the signing of MOUs with the concerned stakeholders.

In my capacity as the team lead, I led a team of five highly skilled individuals, fostering seamless coordination and communication. Together, we successfully developed the website, and this success paved the way for us to transition seamlessly into the SIMS project.

Thanks to the efforts of our team, we successfully delivered the solution promptly and within the specified time-frame.

URL — https://plsmoe-gov.ng/

School Information Management System (SIMS)

As a Software Engineer in the AspireUnivas team, I played a significant role in developing the one-education School Information Management System (SIMS) Solution. This platform offers a range of features to manage schools efficiently and enhance communication between educators, students, parents, and administrators.

Thanks to the dedicated efforts of our team, we successfully delivered the solution promptly and within the specified timeframe. As a result, we were able to onboard both primary and secondary schools

onto the platform, ensuring widespread adoption and utilization of the system.

URL — https://sims.plsmoe-gov.ng/

Technical Publications

Title: SEO Beyond the Code: Next JS Optimization for Visibility & Performance
Publication Source: Medium (Stackademic)
Publication Date: December 2024
Link: Link to the article

Title: How to Add Google Analytics to a Next.js App with TypeScript Support Using react-ga4
Publication Source: Medium (Stackademic)
Publication Date: September 2023
Link: Link to the article

Title: How to Develop an Advanced and Reusable Axios API Service for Your React/Next JS Solutions
Publication Source: Medium (Stackademic)
Publication Date: August 2023
Link: Link to the article

Title: How to Perfect Slide-In and Slide-Out Page Transitions in Next.js with Framer Motion
Publication Source: Medium (Stackademic)
Publication Date: September 2023
Link: Link to the article

Title: Vue 3 OTP/PIN Form Tutorial: Implementing a Headless Technique for Seamless Results
Publication Source: Medium (Stackademic)
Publication Date: September 2023
Link: Link to the article

Education and Certifications

- Developing **LLM Applications** with **LangChain. Certification**
- **B.Sc. Computer Science,** University of Jos, Plateau State, Nigeria