HALEEM BELLO

SOFTWARE ENGINEER

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As a Software Engineer with a comprehensive background in full-stack development, I excel in utilizing technologies such as Java, Python, JavaScript, and TypeScript to craft innovative solutions. My expertise spans a range of web technologies, including React and Next.js, and backend tools like Node.js, AWS, and MongoDB. Recently, I have ventured into the realm of artificial intelligence, applying it to develop practical, real-world applications that drive innovation and efficiency. Committed to web accessibility, SEO, and responsive design, I ensure that my applications are not only technologically advanced but also user-centric. Driven by a passion for excellence and continuous professional development, I am dedicated to leveraging the latest technological advancements to solve complex problems and deliver exceptional results.

KEY SKILLS

Java, Python, HTML5, CSS3, JavaScript, TypeScript, Solidity, React, Node.js, Express, Web3.js, Next.js, APIs, Git, MongoDB, Graphql, Decentralized Apps, Blockchain Development, Web Accessibility and SEO, Responsive Web Design, Firewall and Network Security, Leadership.

EXPERIENCE

08/2023 - PRESENT

Project Lead | MotorMentor

- Leading the development of MotorMentor, an innovative AI-driven application designed to diagnose car issues based on user-reported symptoms. The project is currently in the development phase, with a focus on integrating cutting-edge technologies for a seamless user experience.
- Spearheaded the project from concept to development, utilizing technologies such as Python for machine learning, JavaScript for front-end development, and integrating OpenAI's API for enhanced AI capabilities.
- Integrated the CarMD API to provide a comprehensive database of cars, encompassing a wide range of models, common problems, and known recalls, thereby enhancing the AI's contextual understanding and diagnostic accuracy.
- Focused on developing a user-friendly interface using modern web technologies, ensuring the application is accessible and easy to navigate for users with varying levels of technical expertise.
- Actively involved in the preliminary testing phase, with plans for extensive testing to refine the AI model, improve diagnostic accuracy, and ensure a high-quality user experience upon launch.

01/2023 - PRESENT

Principal Developer | Magpollo

- Led a web development and custom software solutions company focused on serving local businesses, successfully completing projects for four clients in the first year, some of which are highlighted below.

- **African Soulfood Project, Marietta GA**
  - Led the development of a sophisticated, mobile-first, fully responsive website using the progressive Vite & React library, optimizing for performance and user engagement.
  - Built a complex form-to-email feature, integrating NodeMailer and Brevo for robust and reliable email delivery routines. This feature streamlined the management of career applications and event bookings, directly interfacing with the store manager's operations.
  - Implemented a seamless integration of the restaurant's pre-existing ordering software into the new web infrastructure, ensuring a cohesive and intuitive user experience while maintaining the integrity and functionality of the order management system.

- **JA Inflatables Project, McDonough GA**
  - o Led the development of a responsive, mobile-first web application using Next.js, React, and Prisma, resulting in a 50% increase in website traffic, as measured by Google Analytics, and a 100% increase in online bookings.
  - o Engineered a server-rendered e-commerce platform with a dynamic product catalog and inventory management, integrated Square API for secure transactions, and utilized TailwindCSS for engaging design, collectively enhancing user experience and operational efficiency. This approach contributed to a significant boost in search engine visibility, evidenced by a 25% rise in Google search rankings.

- Designed and developed modern, responsive websites, resulting in increased online orders and growth in customer engagement.
- Implemented advanced features such as real-time online reservations with SMS notifications, dynamic ordering systems, and seamless API integrations with existing POS and order management platforms, boosting operational efficiency.
- Collaborated with clients through effective communication, active listening, and empathy to understand their unique requirements, providing tailored solutions and ensuring project success and client satisfaction.
- Established and maintained strong client relationships through excellent interpersonal skills, resulting in potential future projects and positive word-of-mouth marketing for the company.

01/2021 - PRESENT
Principal Developer | Loudronline

- Co-founded a creative firm supporting emerging artists and musicians, reaching over 500 unique visitors monthly and growing the social media community to 4,500+ followers.
- Architected and developed a server-rendered web application using Next.js, Typescript, Graphql and Hygraph, improving site performance by 17% and lowering bounce rate by 8%.
- Migrated the original WordPress blog to the custom-built platform, seamlessly merging databases and maintaining data integrity.
- Implemented server-side rendering (SSR) and static site generation (SSG) techniques for optimal performance and SEO benefits, resulting in an increase in organic search traffic.
- Developed an e-commerce shop with shopping cart, secure checkout, and inventory management features, increasing revenue by 100%
- Integrated third-party APIs, including social media authentication, newsletter subscriptions, and analytics tracking, to enhance user engagement and monitor site performance.

EDUCATION

01/2021 – PRESENT
Georgia Gwinnett College | B.Sc. in Info Tech (Software Development)

- GPA: 3.0/4
- Relevant coursework: Web Application Development, Data Structures and Algorithms, Programming Fundamentals, Intermediate Programming, Info Systems.
- Learning asynchronous, and remote teamwork, and meeting deadlines.

12/2016 – 08/2020
University Of Lagos, Nigeria | B.Sc. in Electrical & Electronics Engineering

- Active member of the Developer Students Club.
- Completed coursework in programming languages (C++), circuit design, and digital signal processing.
- Did not obtain degree due to relocation outside the country.