

Nkansah Wireko-Brobbey

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About

Results-driven Front-End Engineer with 3+ years of experience in building responsive, user-friendly web applications and 5+ years in the IT industry. Proficient in Angular, React.js, Node.js, Java and AI (RAG), with strong skills in full-stack development. Expertise in performance optimization, UI/UX best practices, and translating complex requirements into intuitive interfaces. Adept at contributing effectively in Agile teams.

Skills

Angular · React · Figma · TypeScript · JavaScript · NGXS · NGRX · Spring Boot · Testing · PostgreSQL · Redux · PHP · Cascading Style Sheets (CSS) · EC2 · S3 · AWS SNS · Npm · AWS · Cypress · NextJs · Java · Artificial Intelligence · Data Structures · Spring Framework · Docker · RESTful APIs · GraphQL · Git · Linux · Github · Kubernetes · Object-Oriented Programming · SQL · CI/CD · Node.js · Scrum · Agile · TailwindCSS · Adobe Photoshop · Jira

Experience

MyCritters LLC

Web developer and AI

Wisconsin

Apr '24 - Aug '24

- Developed fully responsive web applications using Next.js and CSS frameworks, ensuring optimal user experiences across various devices and screen sizes, which led to a 50% increase in mobile user satisfaction ratings.
- Designed and implemented reusable React components for Next.js applications, utilizing performance optimization techniques such as memoization and lazy loading. This approach led to a 30% reduction in render times and a 25% decrease in bundle size, enhancing both application performance and development efficiency.
- Optimized frontend data management using GraphQL and Apollo Client, reducing API calls by 50% and improving application response times by 35% in data-intensive features.
- Led AI development efforts, expertly integrating and fine-tuning large language models, which improved model accuracy by 15%
- Technologies Used: Hasura, GraphQL, NextJs, React, PostgreSQL, Figma, GitProjects, TypeScript, Tailwind

MIKIRENTS

Frontend Engineer

Kumasi, Ghana

Jan '23 - Aug '23

- Utilized Angular's component-based architecture and dependency injection to develop dynamic and interactive user interfaces, resulting in a 30% improvement in application performance and a 25% increase in user engagement metrics.
- Implemented robust CI/CD pipelines using GitHub Actions, facilitating seamless deployment of multiple services and achieving a highly efficient system.
- Designed and built both the frontend and backend components of the property management booking service using Angular and NodeJs to achieve seamless integration and reduced data retrieval time by 25%.
- Engineered a modular, scalable front-end architecture using Angular's component-based structure, improving maintainability by 40% and enabling seamless future enhancements, all while ensuring optimal performance and responsiveness across the application.
- Reduced design iteration time by 30% by creating reusable Figma component libraries, enabling faster prototyping and consistent design elements across cross-functional teams.
- Technologies Used: HTML, NodeJS, React, Angular, MongoDB, MySQL, Git, PrimeNg, Figma, TypeScript

Agroecom Ghana Limited

Software Application Support Engineer

Sep '20 - Feb '23

- Engineered advanced JavaScript plugins and features using JavaScript and Node.js, driving a 40% improvement in usability and significantly enhancing the overall user experience.
- Crafted highly intuitive, user-centric UI designs that optimized user interactions, resulting in a 70% increase in user engagement.
- Implemented ongoing maintenance and optimization for JavaScript plugins, ensuring consistent performance and reliability, while proactively addressing issues to sustain high levels of user satisfaction.
- Optimized the scalability and performance of JavaScript plugins to handle increased user traffic, reducing load times by 59% and ensuring smooth functionality under high-demand conditions.
- Technologies Used: Excel, JavaScript, google cloud, Git, Figma, Jira, NodeJs, GCP, Typescript

KWASAKYI TECHNOLOGIES

Kumasi, Ghana

Frontend Engineer

May '18 - Aug '20

- Designed and implemented the UI/UX for a range of features, actively working on both the design and code aspects in collaboration with cross-functional teams using Figma.
- Developed an attendance service, creating both the frontend and backend components using Angular and Spring Boot, which resulted in a 10% reduction in wait time.
- Implemented advanced search and sorting features with MySQL, enabling users to easily find user details thereby improving overall user experience and engagement.
- Proposed and engineered a custom SMS verification service using JavaScript, reducing costs by 64%.
- Technologies Used: Figma, Java, React, SpringBoot, NodeJS, Angular, MongoDB, MySQL, Git

Education

Maharishi International University

Apr '26

Master's Degree | Master of Science in Computer Science | GPA: 3.8

University of Education

Jul '19

Bachelor's Degree | BSc. Information Technology Education | GPA: 3.8