

Erick Aboge

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Professional Summary

Experienced Software Engineer with expertise in developing web and mobile applications, focusing on end-to-end product design and deployment. At Optiven, developed a React and Express-based Daily Work Register essential for HR in tracking employee hours across departments, and played a core role in an in-house ERP project aimed at resolving Microsoft Dynamics challenges, with the HR module prepared for microservice deployment. Proficient in JavaScript, TypeScript, React, Python, Django, Flask, Node.js, and Web3, with additional freelancing experience on Upwork and a background in academic writing. Known for creating scalable, high-performance applications and enhancing operational efficiencies through agile project management.

Full-stack Software Developer

Optiven Ltd

August 2024 – Present

- Spearheaded the design and development of the HR module within Optiven's in-house ERP, automating essential HR functions such as payroll processing, recruitment workflows, and employee performance tracking.
- Integrated the HR module with other core business applications, reducing operational inefficiencies by 30% and facilitating streamlined data sharing across departments.
- Collaborated with a cross-functional team to gather requirements, prioritize feature development, and enhance system usability, leading to a more intuitive and responsive user experience.
- Implemented robust data security measures and optimized database performance, significantly reducing system latency and increasing overall system stability.

Lead Developer – Daily Work Register

Optiven Ltd

August 2023 – October 2024

- Designed and deployed the Daily Work Register, a real-time HR tool built using React and Express to track employee hours and task progress across multiple departments.
- Enhanced HR operations by developing features such as time tracking, task allocation, and progress reporting, enabling accurate data collection and reporting for over 200 employees.
- Ensured mobile-first design, responsive layouts, and optimized load times for enhanced accessibility and user satisfaction.

Junior Software Developer

Upwork

November 2023 – August 2024

- Delivered customized software solutions across various industries, focusing on e-commerce, CRM systems, and workflow automation for SMEs.
- Conducted in-depth client consultations to define project requirements and deliver high-quality, end-to-end software solutions within established timelines.
- Notable Projects:
 - **CRM Automation System:** Developed a CRM automation tool to streamline customer engagement, resulting in a 20% increase in lead conversion rates.
 - **E-commerce Platform:** Built a user-friendly e-commerce website with integrated payment gateway support, enabling secure online transactions and facilitating a smooth shopping experience.

Freelance Software Developer

Contract-based, 2022 – 2023

- Executed multiple software development projects, including front-end development and back-end API integrations for various small businesses.
- Applied best practices in front-end development with JavaScript, HTML, and CSS, while ensuring seamless back-end support through Node.js and SQL.
- Notable Projects:
 - **Inventory Management CLI:** Engineered a Command-Line Interface for inventory management, incorporating essential functionalities such as adding, viewing, and deleting products, categories, and suppliers.
 - **News Aggregator App:** Created a React-based news aggregation application to centralize news updates from various categories, significantly enhancing user experience and accessibility.

Academic Writer

Freelance Academic Writing

2020 – 2022

- Conducted in-depth research and composed high-quality academic papers and reports across diverse fields, including business, IT, and social sciences.
- Developed strong analytical and writing skills, consistently meeting strict deadlines and client expectations.

Education

University of Nairobi

Bachelor's Degree in Commerce (Information Technology Specialization)

September 2020 – December 2024

- **Concentrations:** Business Analytics, IT Project Management, E-Commerce Systems, Information Systems Management
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Computer Organization & Programming, Database Management Systems, Business Intelligence, Systems Analysis and Design, Management Information Systems, Statistics & Applications
- **Achievements:** Gained a strong foundation in both technical and business aspects of IT, with hands-on experience in developing data-driven applications and managing IT projects.

Licenses & Certifications

Moringa School

Certificate in Software Development

May 2022 – November 2022

- **Key Skills Acquired:** Proficiency in full-stack development, covering both front-end and back-end programming, database management, and application deployment.
- **Technologies & Programming Languages:** Acquired practical experience with HTML, CSS, JavaScript, SQL, and developed a solid understanding of software development methodologies.

Skills

- **Programming Languages:** Java, Python, JavaScript, TypeScript, HTML/CSS, SQL
- **Frameworks & Libraries:** React.js, Node.js, Express, Django, Flask, Bootstrap, Spring Boot
- **Data Structures & Algorithms:** Proficient in designing and implementing efficient data structures and algorithms for optimized performance
- **Tools & Platforms:** Android Studio, PyCharm, Eclipse, AWS, Git, Docker, Postman
- **Development Practices:** Agile methodologies, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD)
- **Additional Skills:** API integration, RESTful Services, Microservices architecture, Responsive UI design