Joseph Waweru

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**Career profile summary**

As an accomplished Software Developer, I have dedicated my career to designing and implementing cutting-edge applications that drive business success. With a solid foundation in modern programming languages and technologies, I have a proven track record of delivering high-quality, scalable software solutions that meet the evolving needs of organizations. Throughout my journey, I have honed a diverse skill set that encompasses front-end, back-end, and full-stack development. My expertise spans a wide range of technologies, including Node.js, React, JavaScript, Express.js, MongoDB, and PSQL, enabling me to tackle complex challenges and deliver robust, user-friendly applications.

Collaborating closely with cross-functional teams, I have demonstrated my ability to translate business requirements into functional and visually appealing software products. My strong analytical capabilities, problem-solving mindset, and effective communication skills allow me to bridge the gap between technical solutions and stakeholder needs. Committed to continuous learning and professional growth, I stay up-to-date with the latest industry trends and best practices. This dedication to self-improvement allows me to constantly enhance my skillset and contribute innovative ideas to drive the success of the organizations I serve. Whether spearheading the design and development of new applications or optimizing and refining existing systems, I am driven by a passion for creating software that empowers businesses and enriches the user experience. With a solid foundation in software engineering principles and a collaborative, results-oriented approach, I am poised to make a significant impact as a Software Developer.

**Key skills and competencies**

* Software Development: Proficient in designing and implementing high-quality, maintainable software solutions, including creating new applications and contributing to open-source projects. Expert in technologies such as Node.js, Express.js, React, React Native, JavaScript, Python, and database technologies like MongoDB and PSQL.
* Web Development: Competent in web development technologies and frameworks, including HTML, CSS, JavaScript, and web application development using frameworks like React, Angular, or Vue.js. Ability to create dynamic, responsive, and user-friendly web applications.
* Cloud Computing: Hands-on experience with Google Cloud Platform (GCP), including the ability to configure and manage cloud infrastructure and services. Demonstrated understanding of cloud computing technologies and the ability to contribute to the development and maintenance of cloud-based solutions.
* Data Engineering: Expert in architecting data engineering pipelines to support machine learning performance, showcasing a strong background in data engineering and the technical requirements of machine learning projects.
* Project Management: Collaboration with project managers to set realistic coding milestones, prioritize tasks, and complete assignments within the expected timeframe. Demonstrated ability to work effectively within tight deadlines and fast-paced environments.
* Quality Assurance: Experienced in testing new applications for usability and adherence to the code plan, ensuring the delivery of high-quality software that meets project requirements.
* Compliance and Safety: Worked within applicable standards, policies, and regulatory guidelines to promote a safe working environment, demonstrating a commitment to compliance and workplace safety.
* Open-Source Contribution: Participation in open-source projects, showcasing a commitment to the open-source community and the desire to contribute to the broader software ecosystem.
* Responsive Web Design: Ability to create mobile-first, responsive web applications that adapt seamlessly to various screen sizes and devices, ensuring an optimal user experience.
* Agile Methodology: Expert in working in an Agile development environment, collaborating with cross-functional teams to deliver software in iterative sprints and adhering to Agile best practices.
* Unit and Integration Testing: Proficient in writing unit tests and integration tests to ensure code quality, maintainability, and reliability.
* AWS and Azure: Familiar with cloud platforms such as AWS and Azure, including the ability to provision and manage cloud resources, and deploy applications to the cloud.
* DevOps: Understanding of DevOps practices, including continuous integration, continuous deployment, and infrastructure as code, leading to efficient and reliable software delivery.
* Scalable Architecture: Expert in designing and implementing scalable, high-performance software architectures that can handle increasing user demands and data volumes.
* Collaboration and Communication: Effective communication skills, including the ability to develop team communications and information for meetings. Demonstrated success in developing and maintaining courteous and effective working relationships with cross-functional teams.
* Continuous Learning: Proactive approach to skill development, including learning new technologies (such as GCP on Pluralsight) and applying them to daily tasks to improve efficiency and productivity.
* Problem-Solving: Strong problem-solving skills, including the ability to identify issues and provide suitable resolutions. Demonstrated success in working closely with peers to address technical challenges.

**Work Experiences**

Web Creation Tutor 03/2024 to Current

360 Climate Institute Nairobi, Kenya

* Conducting one-on-one and group tutoring sessions on web development and design topics to provide personalized instruction and support to students.
* Creating and curating educational materials, including tutorials, exercises, and quizzes, to ensure the course content is engaging, informative, and aligned with the latest industry standards.
* Tailoring lesson plans to meet the unique needs and skill levels of individual students, adapting teaching strategies to optimize their learning experience.
* Providing constructive feedback and guidance to help students improve their web development and design skills, fostering their growth and progress.
* Staying updated on the latest trends and technologies in web development to ensure the relevance and currency of the course content, keeping the curriculum fresh and innovative.
* Implementing project-based learning initiatives, guiding students through the process of creating real-world web applications from start to finish, allowing them to apply their skills in a practical setting.
* Utilizing online learning platforms and tools to facilitate remote learning and provide additional resources for students to reinforce their understanding of course materials, expanding the accessibility and flexibility of the program.
* Establishing a supportive and inclusive learning environment, encouraging collaboration and peer-to-peer learning among students to foster a sense of community and shared knowledge.
* Monitoring and evaluating student progress, providing timely feedback and support to help them achieve their learning objectives and reach their full potential.
* Collaborating with the 360 Climate Institute team to continuously improve the web creation program, incorporating feedback and insights to enhance the overall educational experience.

Software Developer 10/2023 to Current

GICT Systems Nairobi, Kenya

**Software Design and Implementation:**

* Designing innovative software solutions that meet the evolving needs of the organization and its clients. Analyzing requirements, creating architectural designs, and defining the technical specifications to guide the development process.
* Implementing high-quality code that is well-structured, efficient, and maintainable, contributing to the development of robust and scalable applications.
* Optimizing and refining existing software systems to enhance performance, reliability, and user experience. Identifying areas for improvement, implementing optimization strategies, and conducting thorough testing to ensure the software meets the desired standards.
* Leveraging advanced software development methodologies and frameworks to streamline the development process and improve overall productivity.

**Requirements Analysis and Collaboration:**

* Collaborating with cross-functional teams to translate user requirements into functional and user-friendly software products. Effective communication, active listening, and bridging the gap between business needs and technical solutions.
* Demonstrating proficiency in multiple programming languages and technologies, ensuring the flexibility to adapt to various project requirements.
* Troubleshooting and resolving complex technical issues with a problem-solving mindset, ensuring the seamless operation of software applications. Strong analytical skills, attention to detail, and the ability to identify and address the root causes of problems.
* Functioning as a collaborative team player, fostering effective communication and coordination to align with project goals and deliverables.

**Software Quality and Optimization:**

* Developing and implementing robust testing strategies, including unit tests, integration tests, and end-to-end tests, to ensure the quality and reliability of software applications.
* Analyzing application performance and identifying optimization opportunities to enhance the overall system efficiency and responsiveness.
* Contributing to the development of coding guidelines, best practices, and reusable components to promote maintainability and consistency across the codebase.
* Collaborating with the DevOps team to establish and improve automated deployment and monitoring processes, ensuring the seamless integration and delivery of software updates.

Software Developer - Open Source Project 09/2022 to 12/2022

Andela Kenya

* Collaborated with project managers to select ambitious, yet realistic coding milestones for pre-release software project development. This demonstrated strong project management and prioritization skills.
* Created new applications on an open-source project, showcasing proficiency in software development and the ability to work within an open-source ecosystem.
* Architected data engineering pipelines to support machine learning performance, displaying expertise in data engineering and a deep understanding of the technical requirements of machine learning projects.
* Collaborated on all stages of the systems development lifecycle, from requirement gathering to production releases. This holistic involvement exhibited a comprehensive understanding of the software development process.
* Worked closely with design teams and senior software engineers to build customized software products for consumers, highlighting effective cross-functional collaboration and the ability to deliver tailored solutions.
* Prioritized tasks and completed them in order of importance, demonstrating strong time management and organizational skills.
* Tested new applications for usability and adherence to the code plan, ensuring the delivery of high-quality software that met the project's requirements.
* Wrote clear, clean code for various projects, showcasing proficiency in software development best practices and a commitment to maintainable and efficient code.
* Worked closely with peers to identify issues and provide suitable resolutions, demonstrating strong problem-solving skills and the ability to work effectively in a team environment.
* Contributed to the open-source project, which showcased a commitment to the open-source community and the desire to contribute to the broader software ecosystem.

Associate Cloud Engineer 06/2022 to 12/2022

Google Africa Developer Scholarship powered by Andela, Google, and Pluralsight

* Learned Google Cloud Platform (GCP) on Pluralsight and implemented the acquired knowledge on Quicklabs. This demonstrated a proactive approach to skill development and the ability to apply new knowledge in a practical setting.
* Completed project-based assignments within the expected time frame, showcasing strong time management and the ability to deliver on commitments.
* Interacted with the GCP platform directly, configuring and managing it to gain practical experience and a deeper understanding of cloud computing technologies.
* Developed and maintained courteous and effective working relationships, exhibiting strong interpersonal skills and the ability to collaborate effectively with team members.
* Worked within applicable standards, policies, and regulatory guidelines to promote a safe working environment, demonstrating a commitment to compliance and workplace safety.
* Proved successful in working within tight deadlines and a fast-paced atmosphere, highlighting adaptability, flexibility, and the ability to thrive under pressure.
* Developed team communications and information for meetings, showcasing strong communication skills and the ability to effectively share information and updates with stakeholders.
* Learned new skills and applied them to daily tasks to improve efficiency and productivity, demonstrating a continuous learning mindset and a willingness to adapt and grow.
* Contributed to the development and maintenance of cloud-based solutions, displaying proficiency in cloud computing technologies and the ability to contribute to the delivery of robust and scalable cloud-based applications.
* Participated in the Google Africa Developer Scholarship program, which provided an opportunity to gain hands-on experience and exposure to industry-leading cloud computing technologies and best practices.

**Other past work experiences**

Customer Care Representative 11/2021 to 08/2022

CCI-Kenya Multi-choice Kenya

* Called out customers on specific issues including offer updates and payment reminders, while ensuring customers were kept as the top priority, concerns were addressed promptly and accurately, solutions were provided, flexibility was maintained to achieve high customer satisfaction, and the ability to multitask enabled fast responses.

Sales Associate/Customer Service 03/2021 to 08/2021

Copia - Kenya

* Maintained a positive image of the Copia brand, created daily reports and monthly targets, pushed product sales to achieve company targets, performed telesales duties, provided feedback on areas for improvement, and recruited and ensured satisfaction of existing clients.

**Education Background**

* **Certificate in Software Development and Web Development, (Gained certification in web development, Front End Development Libraries, JavaScript Algorithms and Data Structures, Data Visualization and Back End Development and APIs),** Freecodecamp
* **Kenya Certificate of Secondary Education,** Queen of Peace Highschool: 2013/02/01 - 2017/11/23

**Projects**

* **2022/11/01: AutoQuest Cars, Technologies: React, Nest.js, Postgres, GraphQl,Typescript.:** <https://autoquest.netlify.app/> : I have built a car rental and buying web app with ReactJS, TypeScript, Tailwind CSS, NestJS, PostgreSQL, GraphQL, and NodeJS. It has a smooth interface, type safety, customizable design, powerful backend, efficient data management, and flexible data querying. Overall, it provides a reliable and user-friendly platform.
* **2022/12/28: Portfolio, Technologies: React, Next.js:** <https://waweru.netlify.app> : It features a responsive design, dynamic data loading and routing, code splitting, and automatic optimization for improved performance. The portfolio section showcases my best work, highlighting my skills as a developer.
* **2023/01/25: Restaurant app, Technologies: React, JavaScript, and CSS:** <https://mjdiners.netlify.app/> : The restaurant app built with React, CSS and HTML provides a modern, user-friendly interface for customers to browse menus and make reservations. The clean design, responsive layout, and intuitive navigation make accessing the app on any device a breeze. CSS adds visual appeal and HTML provides structure, while React gives the app dynamic capabilities, streamlining the reservation process.
* **2022/12/01: Memories app, Technologies: React, Node.js, MongoDB, and Express:** <https://m3m0.netlify.app/> : The App is called Memories and it is a simple social media app that allows users to post interesting events that happened in their lives.
* **2023/01/01: Weather app, Technologies: React, Rest API, CSS:** The weather app built with React, HTML, and CSS is a user-friendly tool that displays current weather conditions from a weather API. It features a hover ability that allows users to access more detailed information by hovering over specific elements on the page.

**References**

References available upon request.