Nelly Wangari Kamenya

Software Developer

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PERSONAL STATEMENT

Resourceful and dynamic Full-stack Developer with experience implementing frontend and backend coding.Proven problem-solver with solid grounding in data-driven applications and concepts.Excelled in cross-functional collaboration,significantly improving project delivery times. Demonstrated commitment to professional growth by mastering AWS and Docker,showcasing both technical prowess and adaptability.

KEY SKILLS

- **Backend** - Nodejs, Typescript, C#, .Net(Core & Framework), Java (Spring boot)
- **Frontend** - Angular.
- **Database** - PostgreSQL, MySQL, MSSQL,MongoDB
- **DevOps/Cloud Technologies** - Docker, AWS, Github Actions
- **Version Control & CI/CD** - Git , Unit Testing(Jest), Documentation(Swagger), Agile Software Development

EXPERIENCE

WeCode.Hub, Nairobi,Kenya(Remote) *– Trainee*

December 2023 - Present

- Designed RESTful APIs for seamless integration between frontend components and backend services for web applications.
- Delivered high-quality code documentation following industry standards to facilitate future maintenance or enhancements by other developers within the team.
- Collaborated with cross-functional teams to deliver software projects on time within budget constraints.
- Optimized database performance with integration of SQL and NoSQL databases in application development

- Streamlined backend processes for improved efficiency by implementing Node.js,Nestjs, Express and .NET Core frameworks.
- Stayed current on industry trends by attending conferences,workshops and pursuing online courses to continually refine programming skills.

Kingsman Engineering & Industrial Insulation, Nairobi, Kenya - Web Developer

January 2022- May 2024

- Provided front-end development support, creating visually appealing designs that aligned with brand standards.
- Enhanced user experience by implementing responsive web design and optimizing website performance.
- Resolved technical issues promptly, ensuring minimal disruption to website performance and user satisfaction.
- Enhanced site visibility and user engagement by optimizing web content for SEO.
- Ensured cross-browser compatibility: Tested and optimized websites to function seamlessly on various browsers and devices.
- Improved website speed: Implemented performance optimizations to enhance load times and user satisfaction.
- Managed content updates: Regularly updated website content to keep information fresh and relevant.

Yellow Card - *Blockchain Advocate(Tech & Digital Assets)*

February 2022 – August 2022

- Represented Yellow Card's fintech platform, specializing in blockchain-based digital asset solutions, to promote secure and compliant financial technology in local communities.
- Facilitated technical education sessions to onboard users onto the platform, highlighting features like secure transactions and compliance with Know Your Customer (KYC) and Anti-Money Laundering (AML) standards.
- Collaborated with technical teams by gathering user feedback to improve platform efficiency and functionality.
- Supported the adoption of blockchain technology by simplifying complex technical concepts for non-technical audiences.

EDUCATION

Africa Leadership University(ALX), Kenya *-Software Engineering Certification(Backend Development)*

February 2022 - April 2023

Completed an intensive program covering foundational programming concepts across multiple languages and specialized in backend development. Gained expertise in designing, building, and optimizing server-side applications, focusing on scalability, security, and maintainability. Developed a strong understanding of software engineering principles, database management, and API development while applying skills to real-world projects.

Rongo University, Kenya *- Bachelor of Science Botany(Biotechnology)*

SEPT 2015 - DEC 2019

PROJECTS

Task Tracker Api

Stack: Angular, PostgreSQL, Node.js(Express)

Developed a task management API that leveraged full CRUD functionality for creating, updating, and deleting tasks, with a focus on scalability and performance. Integrated caching to reduce database load, rate limiting to prevent abuse and ensure fair usage, and authentication using JWT for secure user access. Designed and implemented RESTful API endpoints for seamless interaction between the frontend and backend, providing a reliable and efficient solution for task tracking. Link here

Food Order System -Backend

Stack: Node.js,Typescript, MongoDB

Built the backend for a food ordering system which includes role-based functionality for Admins, Vendors, and Customers, with each having their own set of operations. Created controllers to handle various actions like order management and vendor operations. The system uses DTOs to ensure data is passed consistently, and added middlewares for authentication, error handling, and input validation. Designed models for key entities like orders and users to keep data organized and efficient. To make sure everything runs smoothly, services for connecting to the database and setting up the Express app, along with utility functions for tasks like password hashing. The backend is scalable, secure, and built to be easily maintained. Link here

Crowdfunding-Product Page

Stack: HTML,CSS,Javascript

Developed a crowdfunding product page that integrated local storage to manage user inputs and dynamically display pledge submission progress bar updates and displaying a countdown, providing an interactive and engaging user experience for potential backers. Handles modal opening and closing,radio buttons selection Link here

Local Recipe Library

Stack: C#, .NETCore,MsSQL, Entity Framework Core

This project aims to create a platform where users can share and discover local recipes. Users can upload recipes with detailed instructions, images, and personal stories. The platform allows users to filter recipes by ingredients, region, or cooking time. Community features include upvoting recipes, commenting, and participating in weekly "Top Recipe" contests. Additionally, the platform will incorporate advanced features like recipe analytics, language localization, and integration with external APIs for nutritional information. The backend built using .NET Core Web API, the frontend with Angular, and the database with Microsoft SQL Server. User authentication secured with JWT tokens. Link here

ADDITIONAL INFORMATION

Professional Development:

Data Structures & Algorithms Certification

- Developed strong problem-solving skills through understanding and applying core data structures and algorithms in Javascript. Applied knowledge in sorting, searching, and optimization to solve complex problems efficiently. Link here

C# Certification

- Demonstrated proficiency in C# programming, focusing on object-oriented principles, data structures, and application development. Gained practical experience in developing software solutions and web services within the .NET framework. Link here

Github Actions Certification

- Mastered the creation and management of automated workflows using GitHub Actions. Improved deployment pipelines by integrating continuous integration and continuous deployment practices to streamline the development process. Link Here

Responsive Web Design

- Gained expertise in building user-friendly, responsive web applications. Focused on HTML, CSS, and JavaScript to create seamless experiences across desktop, tablet, and mobile platforms. Link Here

VOLUNTEERING & COMMUNITY INVOLVEMENT

Digital Marketing Volunteer - Still A Mum, Nairobi, Kenya

Oct 2021 - Dec 2021

- Collaborated with a cross-functional team to integrate digital marketing efforts into overall business strategies seamlessly.

Atlassian Community ,Nairobi - *Member*

April 2024 - Present

- Leveraged and learn the best practices to use Atlassian Tools for a streamlined project management and team collaboration e.g Jira
- Developed Strong teamwork skills.

Nairobi Devops Community - *Member*

Sept 2024- Present

- Contribute to community initiatives, creating meaningful impact and building strong networks.