

Elvis Wangari

Junior Software Engineer

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in elvis-wangari

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Profile

I am an energetic and goal-oriented individual with a passion for programming and a strong foundation in web development, software engineering, machine learning, and database management. Dedicated to continuous learning and staying updated on emerging technologies, I am committed to delivering high-quality solutions and providing exceptional customer service. Demonstrating the ability to work effectively both independently and collaboratively in fast-paced environments, I am poised to excel and exceed expectations in any role.

Education

Diploma in Computer Science

Chuka University

Jan 2022 – present

Chuka

Undertook a comprehensive exploration of computer science concepts, encompassing:

- Advanced Data Structures and Algorithms: Explored advanced data structures and algorithms, including advanced topics in arrays, linked lists, sorting, searching, and graph algorithms.
- Advanced Database Management: Delved deeper into database systems and SQL, focusing on advanced topics such as database optimization, performance tuning, and advanced querying techniques.
- Advanced Web Development: Explored advanced concepts in web development, including server-side scripting, web frameworks, and advanced client-server communication protocols.
- Advanced Software Engineering Principles: Delved into advanced software development methodologies, such as design patterns, software architecture, and advanced testing and debugging techniques.

Certificate in Computer Science

Chuka University

Sep 2021 – Apr 2022

Undertook a comprehensive exploration of computer science concepts, encompassing:

- Fundamental Data Structures and Algorithms: Mastered fundamental data structures and algorithms, including arrays, linked lists, basic sorting, searching.
- Fundamental Database Management: Introduced to database systems and SQL, focusing on fundamental concepts such as database design, basic querying, and data manipulation.

- **Fundamental Web Development:** Developed fundamental skills in web development, including HTML, CSS, JavaScript, and basic web development frameworks.
- **Fundamental Software Engineering Principles:** Learned foundational software development methodologies, such as Agile and basic version control using Git.

Professional Experience

Software Engineer

Freelance

Sep 2021 – present

Remote

Key Roles and Responsibilities:

- Engage with clients to understand project requirements and objectives.
- Plan and manage projects, including defining scope, timelines, and deliverables.
- Develop high-quality software solutions tailored to client specifications.
- Conduct thorough testing and debugging to ensure software reliability and functionality.
- Adhere to coding standards and best practices throughout the development process.
- Document technical specifications, user manuals, and release notes.
- Collaborate effectively with team members and stakeholders, leveraging version control systems for code management.
- Continuously update skills and knowledge to stay current with industry trends and technologies.
- Ensure client satisfaction by delivering projects on time and within budget, and providing exceptional customer service and support.

Key Achievements:

- Successfully delivered multiple software projects meeting or exceeding client expectations.
- Received positive feedback from clients for providing high-quality solutions and exceptional customer service.
- Demonstrated proficiency in various programming languages, frameworks, and tools through successful project implementations.
- Implemented innovative solutions to complex technical challenges, enhancing project efficiency and performance.
- Established long-term relationships with clients through effective communication, reliability, and professionalism.

Computer Lab Maintenance Volunteer

Chuka University

Sep 2021 – Dec 2021

Chuka University

Key Roles and Responsibilities:

- Diagnose and repair faulty computers within the lab environment, focusing on maintaining functionality for student use.
- Install operating systems and application programs on lab computers to optimize usability and meet educational requirements.
- Perform hardware maintenance tasks such as replacing faulty parts and troubleshooting hardware issues to ensure smooth operations within the lab.

Key Achievements:

- Efficiently diagnosed and repaired faulty computers within the lab, ensuring uninterrupted access to resources for student use.
- Facilitated seamless operations within the lab environment by installing operating systems and application programs on computers, and optimizing functionality for educational purposes.
- Played a pivotal role in maintaining a conducive learning environment by swiftly replacing faulty computer parts, addressing hardware issues promptly, and enhancing the reliability of lab equipment.

Peer Educator

Afya Nyota ya Bonde

Aug 2018 – Aug 2021
Nanyuki Teaching and
Referral Hospital

Key Roles and Responsibilities:

- Conduct educational programs or workshops on specific topics for peers.
- Provide support and guidance to peers facing challenges or seeking advice.
- Promote positive behavior and healthy lifestyle choices among peers.
- Facilitate discussions and group activities to encourage peer-to-peer learning.

Key Achievements:

- Successfully organized and facilitated educational workshops reaching a large number of peers.
- Received positive feedback from peers for providing valuable support and guidance during challenging times.
- Implemented initiatives that contributed to a positive shift in behavior and lifestyle choices among peers.
- Created a supportive and inclusive environment for peer interaction and learning.
- Collaborated with community organizations to implement projects aimed at addressing social issues and promoting well-being among peers.
- Acquired in-depth knowledge and hands-on experience in utilizing IQcare, KenyaEMR, and DHIS systems.

Skills

Frontend Development

HTML
CSS
Sass
JavaScript
frameworks like jQuery, React, Vue.js
Responsive Web Design

Testing and Debugging

Unit testing
Integration Testing
User Testing

Deployment and DevOps

Continuous Integration/Continuous Deployment (CI/CD) pipelines
Deployment platforms (Heroku, Netlify, Github pages)
Docker and containerization
Virtualization (vagrant)

Backend Development

Server-side scripting languages (Node.js, Python, PHP)
Web frameworks (Express.js, Flask, Laravel)
Database management (SQL, NoSQL databases)
API development and integration
Authentication and authorization mechanisms

Version Control

Git
Github
Gitlabs

Computer Packages

Microsoft Excel
Microsoft word
Microsoft PowerPoint

Languages

- English
- Kikuyu
- Swahili

Certificates

Backend Software Engineer

ALX Africa

Software and Mobile development

Power Learn Project

Paralegal

Paralegal Society of Kenya

Back End Development and APIs

Freecodecamp

Data Analysis

Freecodecamp

Interests

- Machine Learning and Artificial Intelligence
- Creative Writing
- Hiking
- Continuous Learning
- Community Engagement
- Swimming
- Travelling

References

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