EZRA AMANI WANGWE

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CONTACT

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SKILLS

Communication skills
Vue
JS(React)
PHP(Laravel)
HTML
CSS
AI Career Essentials
Teamwork
Critical thinking
Time management
Leadership skills
Adaptability
Negotiation skills
Presentation skills
Interpersonal skills
Basic computer skills
Programming languages:
Python, JavaScript
Rhythm guitar playing
Videography skills
Organizing skills

SUMMARY

As a dedicated computer science student, I possess a strong blend of technical expertise and leadership skills. I have a keen interest in artificial intelligence proven by being ALX certified in AI career essentials and I am passionate about developing innovative solutions to real-world problems. Currently, I build web applications deepening my knowledge of programming languages, with a primary focus on JavaScript, React, Vue and Laravel

I am a proactive self-starter with hands-on experience in both frontend and backend development, excelling in collaborative environments. My diverse experiences, including travels to Britain and South Africa, have enhanced my appreciation for cultural diversity, which informs my approach to problem-solving and teamwork.

EDUCATION

Bachelor of Science, Computer Science

Cooperative University of Kenya, Nairobi, Kenya | September 2021 – April 2025

Relevant computer science fundamentals learned:

- Computer Networking.
- Data Structures and Algorithms.
- Object Oriented Programming.
- System Analysis and Design.
- Databases.
- Operating Systems.

FINAL YEAR RESEARCH PROJECT: Malicious URL detecting extension
The malicious URL detecting extension is a Chrome extension that analyses various URLs interacted with by a user to authenticate them in a bid to curb phishing schemes, in a world where online privacy is at risk. The extension was made using JavaScript and CSS. It works by changing the color on a link to green or red upon hovering over it indicating if the link is safe or malicious. The extension authenticates links by comparing them against a database in the PhishTank API.

Skills gained:

- Proficiency in MS Word, MS Excel, and MS PowerPoint.
- Proficiency in programming languages, including JavaScript and Python.
- Keeping up with developments in AI, cybersecurity, and cloud computing, and following major tech companies like Google and Microsoft on X and LinkedIn.
- Building software that solves real-world problems, such as my final year project on a Malicious URL-detecting extension.
- Communication and active listening skills gained during group work.
- Problem-solving skills gained by analyzing issues, brainstorming, and making collective decisions in group and class discussions.
- Negotiation skills gained while building consensus on discussion topics.
- Effective time management by prioritizing tasks, meeting deadlines, and coordinating my study timetable.

WORK EXPERIENCE

Technical Assistant Intern- Networking
Baran Telecom Networks, Nairobi, Kenya | May 2024 – August 2024

Role: Responsible for fiber cable management, fiber cable splicing, and router configuration.
Achievements: I was able to troubleshoot and solve networking issues for at least 3 job sites per day.

Skills gained:

- Interpersonal skills while relating with co-workers on the job sites.
- Precise handling, cutting, and fusion splicing of fiber optic cables.
- Cable Management & Troubleshooting
- Setting up and managing routers, switches, and other networking devices
- Safety & Compliance protocols for fiber optic installation.
- Keeping accurate records of installations, configurations, and maintenance logs.
- Basic configuration of Huawei Access Routers and Huawei GPON ONTs.

Front- end Engineer: Wise and Agile Solutions

As a Front-End Developer at Wise and Agile Solutions, I am responsible for designing, developing, and maintaining dynamic, responsive, and user-friendly web applications. I work closely with the design and back-end teams to create seamless user experiences using modern technologies such as PHP (Laravel) and JavaScript (React).

Key Responsibilities:

- Develop and implement responsive web interfaces using React.js and Laravel Blade templates.
- Collaborate with UI/UX designers to translate wireframes and mockups into functional front-end components.
- Integrate front-end elements with server-side logic in Laravel.
- Optimize web applications for speed, performance, and scalability.
- Ensure cross-browser compatibility and mobile responsiveness.
- Maintain and improve existing web applications by identifying and fixing bugs.
- Implement best coding practices and follow industry standards for front-end development.
- Collaborate with back-end developers and QA teams for smooth application delivery.
- Stay updated with emerging technologies and frameworks to continuously improve development processes.

Key Skills & Technologies:

- Languages: HTML5, CSS3, JavaScript (ES6+), PHP
- Frameworks: React.js, Laravel
- Tools: Git, NPM/Yarn, Webpack/Vite
- Concepts: REST APIs, Responsive Design, MVC Architecture
- Familiarity with UI/UX principles and SEO optimization

VOLUNTEER WORK

Gentlemen's leader in campus Christian Union

Roles:

- Mentoring and encouraging male students in their spiritual journey by organizing fellowships and retreats.
- Facilitating mentorship sessions for the younger students by the older students and outreach programs targeting male students on campus.

Rhythm guitarist in the university Christian Union band

Roles:
- Playing rhythm guitar in sync with other instrumentalists.
- Exploring new rhythms to unleash creativity in my guitar playing.

Videographer in the Green Pastures Tabernacle Church Rongai
Roles:

- Handling the video camera.
- Taking videos during church service and livestreaming on Facebook.

REFEREES

- Dr Ronald Ojino – Cooperative University of Kenya

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- Mr. Paul Lemalee – Baran Telecom Networks (BTN)
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