Name	Wayne Mwandi
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Career Profile

A Software Developer with experience in AGILE software development and SDLC models. Proficient in website and WebApp Development, Android Development, Network Engineering, LAN and server setups. Skills in HTML5, CSS3, JavaScript, PHP and Java programming languages. Inquisitive about specializing in Cyber Security to guarantee secure code advancement and implementation.

A curious learner who is passionate about technology and ensuring it impacts the community and society positively. A diligent worker seeking an opportunity to learn and grow.

Experience

University of Nairobi – Central Province Response Integration Strengthening and Sustainability Project (CRISSP+), Intern

May 2020 – Present

- Network Engineer. Setup server cabinets in server rooms with appropriate switches, router and cable management in hospital sites. Ubuntu Linux installation on aforementioned servers. Installed and managed KenyaEMR (Electronic Medical Records system) and all its dependencies.
- Database Administrator. Ensured databases of all sites were running efficiently and performing automatic backups twice daily. Backed up all 38 facility databases on a monthly basis to the National Data Warehouse. Facilitated data migration of 17 health facilities as they upgraded from an old medical record system IQCare (MSSQL) to a new KenyaEMR system (MySQL).
- Troubleshooting errors in any of the above mentioned processes. Provided IT technical support to coworkers.
- Capacity Building. Trained the facility-based staff on how to use the newly created forms and modules. Was always on-call to support the team.
- Software Engineer. Added modules and forms that were unique to different hospitals. KenyaEMR is built on the open source platform OpenMRS and uses Java as the backend language. Learned about concept dictionaries, which are used to make systems more flexible and modular by mapping medical terms to concepts that can be referenced throughout the code.

Freelance Developer

August 2016 – Present

- Built a mobile application using Java (Android Studio) which allows a user to book movie tickets after creating an account. The user could also create an account by registering and logging in and in so doing, could get an invoice emailed to them directly.
- Built two personal websites from scratch using HTML, CSS and JavaScript. Hosted on GitHub.
  Portfolio Link: https://waynemwandi.github.io/PPortfolio
- Built a website for AutoMecs Garage, Karen. The purpose of this website was to give the client an online presence. Leveraged Search Engine Optimization (SEO) meta tags and utilized the Bootstrap Framework in addition to vanilla HTML, CSS and JavaScript.
  Link: https://waynemwandi.github.io/AutoMecWebsite/

Malawi Data Virtual Landing Port, Attachment

May 2015 – June 2015

- Operated in a secured office with a datacenter that housed servers dedicated to monitoring internet traffic within Malawi.
- Investigated alerts caused by compromised systems that were under observation.
- Aided in LAN expansion of the existing network at the site.

Licenses & Certifications

Moringa School. Nairobi, Kenya

May 2018 – July 2018, Certificate of Training in Cybersecurity and Ethical Hacking

Skills learned: Risk Assessment, Port Scanning, Payload Delivery, Exploit Execution, Kali Linux OS and its various tools, Penetration Testing, Risk Analysis and Avoidance etc.

Moringa School. Nairobi, Kenya

May 2017 – June 2017, Certificate of Participation in Introduction to Programming (Web Application Design)

Skills learned: HTML, CSS, JavaScript, Bootstrap framework, Content Management Systems.

Driving License

January 2017 – Present

Education

Daystar University. Athi River, Kenya

2016 – 2020, B.Sc. Applied Computer Science

HTML, CSS, JavaScript, C#, C++, Java, VB2010, R, RStudio, Oracle SQL, MySQL, Software Design and Project Management.

Built a Hospital Management System as a web application using HTML, CSS, JavaScript and PHP. Also used MySQL for database for administration. The system ran on the Apache server through XAMP – Final College Project; scored A.

Link: https://emr-hms.000webhostapp.com/

Bishop Mackenzie International School. Lilongwe, Malawi

2014 – 2016, I.B. Diploma

Co-founded and co-ran the Computer Coding Club. Member of the Student Council. Received a High School Diploma from the institution and the IB Diploma Certificate from International Baccalaureate Organization (IBO).

Bishop Mackenzie International School. Lilongwe, Malawi

2013 – 2014, I.G.C.S.E

Utawala Academy. Nairobi, Kenya

2009 – 2011, K.C.P.E.

Additional Skills

• Beginner Pianist

• Intermediate Spanish writing, reading and speaking

• Proficient Driver in and outside Nairobi – Driving License since 2017

• Active team player

References

1. Mr. Ken Kirui
   Software Engineering Lead
   CRISSP+ Project
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2. Mr. Andrew Molo
   Data Scientist
   AKVO Kenya Foundation
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3. Mr. Frederick Ogore
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