

# CHARLES OMONDI

System Administrator | Software Developer | UI/UX Designer | Cyber Security

University of Eldoret, BSc. Computer Science

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## Career Objective

Adaptable, Flexible and enthusiastic Software Engineer, BSc in Computer Science at the University of Eldoret. Eager to utilize skills in software development, UI/UX design, and ICT support to drive organizational growth. Led UI/UX initiatives on campus as the Google Developers Group Lead. Passionate about learning, innovation, and solving real-world challenges through technology and as a Certified Ethical Hacker and Networking Basics Cisco always ensures safety in the cycle of software development and enhances robust system security.

## Education and Professional Background

### Bachelor of Science in Computer Science

University of Eldoret (UOE)

### Skills Acquired:

System Administration, Database Administration, Network Administration, Graphic Designing, Security Management, Web Development (HTML, CSS, JavaScript), Software Engineering, OS Administrations, Data Structures and Algorithms, Git and GitHub Expertise, Data Science and Artificial Intelligence applications.

### **Kenya Certificate of Secondary Education (KCSE)**

Oriwo Boys' High School, 2020

Grade Attained: B+

### **Kenya Certificate of Primary Education (KCPE)**

Siany Primary School, 2016

Grade Attained: B plain

# Technical Skills

**Programming Languages:** C, C#, Python, C++, CSS, JavaScript, PHP, SQL, Kotlin, Java & Dart.

**Frameworks & Libraries:** Flutter (Intermediate, Firebase integration experience)

**Design Tools:** Figma, Adobe XD, Packet tracer, Canva, Dribbble and Canvas.

**Databases:** SQL, Firebase, Supabase, MySQL & MySQL Workbench, Mongo and NodeJs

**Version Control:** Git (GitHub expertise)

**Languages:** Proficient in English and Kiswahili

**CEH:** Certified Ethical Hacking Skills

**Networking Basics Cisco:** Certified networking Basic Skills

# Professional Experience

## ICT Officer Intern

### St. Joseph's Technical Training Institute for the Deaf, Nyang'oma

#### General duties;

Maintenance of management information systems and services to

Departments/Divisions/Units; maintenance of a computerized information database; design and maintain data protection system; implementing SJTTID ICT policy; planning implementing, monitoring and evaluating ICT Projects and Programmes; ensure availability of ICT services and advising on standards for application; coordination of user support to the departments; development and maintenance of a robust secure and scalable ICT infrastructure; installation and support servers in the LAN environment, including installation and deployment of relevant hardware and software; provision of information services through various formats including formal and technological; and coordination of ICT capacity development of staff.

#### Specific roles;

Maintaining support systems and training of users,

System Administrator roles, Website maintenance roles, Database Administration roles and Security Manager Roles.

Maintaining of Information Communication Technology equipment and associated peripherals,

Maintaining data protection system,

Installing and supporting servers,

Installing and deployment of relevant hardware and software, Performing technical, systems and user documentation.

Providing user support and training users.

Any other duties assigned.

## **Graphic Designer UI/UX (Volunteer)**

**Cloud Native Computing Foundation (CNCf) – Nairobi Community Volunteer Role:**  
Community Volunteer: January – July 2025.

### **Key Contributions:**

Assist in organizing CNCf Nairobi meetups, workshops, and events to promote cloud-native technologies.

Support technical sessions on Kubernetes, containerization, and cloud-native best practices.

Engage with community members by providing guidance on cloud-native learning resources and tools.

Collaborated with tech professionals to enhance the community's knowledge of CNCf projects.

Designing posters for coming events and making the presentation slides.

## **Junior Penetration Tester**

Protego Security Solutions

November 2024 – January 2025 - Remote

### **Key Responsibilities:**

Conduct penetration testing and vulnerability assessments to identify weaknesses in network, systems, and applications.

Analyze and evaluate security risks and provide recommendations for remediation.

Develop and maintain reports detailing findings, risks, and recommendations.

Collaborate with IT and security teams to implement solutions and enhance cybersecurity defenses.

Stay up to date with the latest cybersecurity trends, tools, and best practices.

## **System Administrator (Attachment)**

**St. Joseph's Technical Training Institute for the Deaf, Nyang'oma**

**May - August 2024**

### **Key Responsibilities:**

Installed and configured computer hardware, software, LAN systems, printers, and scanners.

Conducted routine maintenance and repairs, including replacement of damaged peripherals.

Provided first-line support and troubleshooting for staff and students.

Contributed to developing the institution's ICT policy and ensured compliance with system security protocols.

Managed information security, communication lines, and equipment security.

**Achievements:**

Revived non-functional desktops by replacing hardware (RAM and hard drives) and installing new operating systems, ensuring all desktops in the institution were functional.

Expanded internet accessibility to remote areas of the campus, including the hostel, by installing IP isolation devices for secure access.

## **Leadership & Extracurricular Activities**

### **Google Developers Group Lead - UI/UX**

**University of Eldoret - August 2024 to August 17, 2025**

Organized workshops, hackathons, and training sessions to build UI/UX skills among students, attracting over 50 attendees per event.

Event Management: Planned monthly workshops covering topics like wire framing, prototyping, and user research.

Community Engagement: Mentored peers in design and development, fostering a collaborative environment for skills exchange.

Content Creation: Designed promotional materials using Figma and Adobe XD, supporting campus events and student businesses.

Industry Collaboration: Coordinated guest speakers to provide insights into tech industry trends and UI/UX practices.

### **WorldSkills Kenya Competition 2024 – Mobile Application Development**

Awarded Bronze Medal and a Certificate of Participation for mobile app development.

### **University of Eldoret Innovations Fair (October 2024)**

Participated in the 16th annual fair, receiving a certificate of recognition for contributions to tech and software projects.

# Projects

## **Mobile Applications Developer**

Developed and deployed mobile applications using flutter with Firebase backend integration. Created user-centered designs with Figma and Adobe XD, enabling efficient user interaction and cohesive design for cross-platform apps.

## **Penetration Testing at Protego Security Solutions**

Successfully identified and reported critical vulnerabilities.

Successfully collaborated with development teams to remediate vulnerabilities.

## **Digital hub Establishment at St. Joseph's Technical Training Institute**

This is an achievement have managed to do a proposal to the principal and have been approved for implementation and currently in motion and there are quite a number of services offered in the hub which: Digital Skills training entails ICT literacy, coding & programming, graphic designs, digital marketing and many more, Innovation and Entrepreneurship Support, Community learning opportunities (for women, youth and local groups), Internet-enabled workspaces and assistive technologies.

# Certifications

Bronze Medal, Mobile Application Development WorldSkills Kenya, August 2024

Certificate of Participation University of Eldoret Innovations Fair, October 2024

Networking Basics (Cisco) – Certified and Verified: 7th January 2025

Certified Ethical Hacker (CEH) – Certified and Verified: 3rd January 2025

Cybersecurity and Emerging Technologies Awareness Training - September 9 2025

# Hobbies & Interests

## **Programming**

As an enthusiast individual, I am really dedicated and also have made programming a hobby for me as it is in line with my professional skills.

## **Learning new skills**

I like to learn new skills since technology is a fast moving trend, in order to keep myself always better I do a lot of learning in the related field.

## **Swimming**

On the weekends I do some recreation for my health benefits when I also get to talk to my peers over the status of the projects we are handling.

**Hiking**

Keeping a sound mind indeed requires a lot and the mind is always attracted to new things so I always take some walk to acknowledge nature and appreciate the same.

**E-Gaming**

Internet gaming advances my skills of gamification when programming as a developer. It creates a lot of refreshments when I take a break from coding.

**Solving puzzles**

To improve logic and critical thinking skills I do solve puzzles challenges.

## References

**Available on Request.**