Curriculum Vitae
Rosedebrah Achieng Ojuok

Contact Information

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Professional Summary

Software Engineer and UI/UX Designer with hands-on experience in front-end development, software application development, and technical training. Proficient in programming languages including Python and JavaScript, with working knowledge of databases, APIs, and Git version control. Experienced in delivering training sessions, mentoring learners, and building real-world software projects within educational and professional environments. Passionate about developing scalable applications and equipping learners with industry-relevant software engineering skills.

Work Experience

KISWATE – Digitization Engineer

September 2025 – 27th October 2025 | Thika, Kiambu, Kenya

• Ensured schools were prepared for the upcoming edtech software launch by assessing technological readiness.
• Conducted training sessions for teachers and principals to enhance digital literacy.
• Digitized institutional offices and supported integration of edtech tools.
• Engaged directly with students to improve technology adoption and confidence.

KISWATE – Management Trainee

April 2024 – August 2025 | Kenya

• Supported digitization initiatives across schools.
• Participated in project planning and stakeholder engagements.
• Coordinated data collection exercises for learners and staff.

Blue Nile Analytica – Advanced Excel Consultant

May 2024 – 27th October 2025 | Kitengela, Kajiado County

- Delivered advanced Excel curriculum with follow-ups to ensure practical retention.
- Supported learners in applying Excel to real-world financial and analytical problems.

Field Reporter & Host | KISWATE TV (YouTube Channel)
April 2024- 27th October 2025 | Kitengela, Kajiado Countys

- Conduct on-field interviews with community members and stakeholders to gather authentic stories.
- Research, script, and present news reports in front of the camera for KISWATE TV's YouTube platform.
- Cover local events and issues, ensuring accuracy and engaging storytelling.
- Collaborate with the production team to edit and publish content, growing audience engagement.
- Strengthened skills in public speaking, communication, and digital content creation.

Blue Nile Analytica – Intern
May 2023 – September 2023 | Nairobi County

- Assisted in software development support tasks.
- Scheduled appointments and created operational tools (e.g., Google Forms).
- Shadowed software engineers and gained exposure to major software projects.

Education

The East African University – Bachelor of Science in Computer Science (Sep 2020 – Dec 2025)

Python Institute – PCEP: Certified Entry-Level Python Programmer (Oct 2023)

St. Albert's Girls High School – Ulanda, High School Diploma (Feb 2016 – Nov 2019)

Certifications

- Excel Fundamentals – Formulas for Finance

- Professional Ethics

- PCEP – Certified Entry-Level Python Programmer

Skills

- Software Development

• Front-End Development

• UI/UX Design

• Advanced Excel & Data Analysis

• Digitization & EdTech Integration

Projects & Achievements

EdTech & Digitization Projects

- **Digitization of the Schools** – Implemented a digital record-keeping system to streamline student data management at Jamhuri Secondary School and Kenyatta Girls High School.

- **Google Forms & Sheets Training Program** – Trained principals and educators (e.g., Kenyattah Girls, Kimuchu Secondary) on data collection and digital reporting.

- **School Technological Readiness Assessments** – Conducted audits in multiple schools to ensure infrastructure readiness for edtech adoption.

Software Development and Design Projects

- **Pharmacy Management System (Prototype)** – Designed and a system to manage inventory, customer prescriptions, and pharmacist workflows.

- **Therapy Booking System MVP** – Designed and built a platform that allows clients to book therapy sessions and therapists to view/manage bookings..

Data & Training Projects

- **Advanced Excel Training** – Delivered training sessions to students at Blue Nile Analytica, covering financial modeling, formulas, and automation.

- **Dynamic Digital Textbook Project (Support Role)** – Collaborated on digitization of learning resources for distribution to schools.

Referees

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