

STEPHEN OUMA

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SOFTWARE ENGINEER

I'm a software engineer with a focus on back-end development. I'm passionate about building cool stuff and creating technology that makes a difference. Whether it's improving user experiences or enhancing the efficiency of business processes, I'm dedicated to crafting exceptional digital experiences.

TECHNICAL SKILLS

Programming languages: Python, PHP, JavaScript, TypeScript, C

Web development: HTML5, CSS3, JavaScript

Frameworks: Django, Node.js, Laravel

Database management: SQL, MySQL, MongoDB

Tools and Technologies: Git, GitHub, Visual Studio Code, Docker, Figma, Adobe creative cloud

SOFT SKILLS

Problem Solving | Time-management | Strong oral and written communication skills | Leadership | Team Collaboration | Analytical thinking | Attention to details | Strong presentation skills | Proficient in Swahili & English

PROFESSIONAL EXPERIENCE

FREELANCE, NAIROBI, KENYA

August 2023 – Present

GRAPHIC DESIGNER

- **Project collaboration:** Collaborated with a wide range of clients, from startups to established businesses, to develop custom branding materials, including logos, business cards, and marketing collateral. Designed a brand identity for a boutique, increasing brand recognition and customer engagement.
- **Web design:** designed visually appealing and user-friendly websites, focusing on responsive layouts and intuitive navigation for optimal user experience. Designed a website for a photographer, leading to increase in client inquiries and bookings.
- **Illustrated infographics:** Conceptualized and illustrated original artwork for print and digital media, including posters, brochures, and digital illustrations.
- **Social media Ad:** Produced eye-catching social media graphics and campaigns, enhancing brand visibility and engagement across various platforms. Designed a social media Ad for a local restaurant, resulting in increase in online followers and customer interactions.
- **Brand strategy communication:** Provided clients with comprehensive brand strategy consultations, guiding them on visual identity, color schemes, typography, and brand messaging. Conducted a brand research for small businesses, resulting in a clearer brand vision and cohesive brand representation.

UNIVERSITY OF NAIROBI, NAIROBI, KENYA

May 2021 – August 2021

BIOCHEMISTRY RESEARCH ASSISTANT (ATTACHMENT)

- **Assays:** Conducted biochemical assays to study the metabolic pathways of carbohydrates, lipids, and proteins in microbial cultures. Developed a protocol for accessing antibiotic resistance in bacterial, leading to the identification of novel resistance mechanisms.
- **DNA Extraction:** Assisted in DNA extraction, purification and analysis using PCR and gel electrophoresis. Collaborated on a project investigating mutations in cancer cells.
- **Enzymatic Activity:** Conducted experiments to investigate the enzymatic activity of proteins using spectrophotometry and chromatography techniques. Developed a novel assay method or quantifying enzyme kinetics.
- **Documentation:** Documented test results in notebooks and reports.
- **Planning:** Planned scientific experiments and projects in support of biomedical research.

PROJECTS

Online Bookstore (Web Application):

- Developed a full-stack web application for an online bookstore using React for the front end and Node.js for the back end. Implemented user authentication, book search functionality, and shopping cart features. Used MongoDB to manage book inventory and user data. Collaborated with a team of three peers, using GitHub for version control and project management

Chat Application (Real-time Messaging):

- Developed a real-time chat application using Python and WebSocket for communication. Implemented features such as user registration, login, and messaging. Utilized Flask framework for the back end and Bootstrap for responsive design.

EDUCATION

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| Software Engineering Power Learn Project (PLP) | May 2024 - Sept 2024 |
| Software Engineering ALX AFRICA | Aug 2023 - Sept 2024 |
| Graphic Design Laton Impression Training Institute | 2023 |
| Degree in BSc Biochemistry University of Nairobi | 2018 - 2022 |
| High School Dagoretti High School | 2014 - 2017 |

REFEREES

Available upon request