JOHN OUMA

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JOHN OUMA

A brief summary of my personal background, education, experience and qualifications.g

JOHN OUMA CV

PERSONAL DETAILS

I am a highly motivated and adaptable Software Developer with a strong foundation in programming languages such as HTML, CSS, Python, PHP, Java, SQL, and JavaScript. I have experience in both frontend and backend development, gained through academic studies and practical work. I am well-equipped to tackle complex coding challenges, collaborate effectively in a team, and contribute fresh ideas to development projects. My passion for continuous learning and staying updated with the latest industry trends enables me to bring innovative solutions to any team.

Personal info.

Age: 25yrs

Citizenship: Kenyan

Location: Nairobi, Kenya

ACADEMIC QUALIFICATION.

Institution	Qualifications Obtained
Moringa School **Graduated: June 2024**	**Software Engineering**
Mbita High School **(2013 - 2016)**	**Kenya Certificate of Secondary Education (KCSE)** **Grade: A-**

CORE SKILLS AND COMPETENCIES

- **Programming Languages:** HTML, CSS, JavaScript, Python, Java, PHP
- **Frontend Development:** React.js, React Native, CSS frameworks (Tailwind CSS)
- **Backend Development:** Django, Flask, Spring, Spring Boot, Laravel, NodeJS
- **UI/UX:** Figma
- **API Development:** RESTful web services, REST API clients, GraphQL
- **Deployment:** AWS, GCP, Digital Ocean
- **Microservices:** Quarkus, Docker, Kubernetes
- **CI/CD:** Gitlab
- **Database Management:** PostgreSQL, Redis, MySQL, MongoDB, Microsoft SQL Server
- **Authentication technologies:** JWT, Auth2
- **Task Queue:** Celery, RabbitMQ
- **Machine Learning Algorithms:** Linear Regression, Logistic Regression, Decision Trees, K-Nearest Neighbors (KNN), Support Vector Machines (SVM).
- **Data Preprocessing:** Data cleaning, normalization, handling missing values, feature engineering.
- **Supervised Learning:** Understanding of concepts such as training and testing, cross-validation, overfitting, and underfitting.
- **Unsupervised Learning:** Clustering (K-Means), Principal Component Analysis (PCA).
- **Neural Networks:** Basic understanding of perceptrons, feedforward neural networks, backpropagation.
- **Natural Language Processing (NLP):** Text preprocessing, tokenization, sentiment analysis, word embeddings.
- **Python Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn.
- **Data Visualization:** Basic skills in visualizing data trends and model performance using Matplotlib, Seaborn.
- **Understanding of AI Ethics:** Awareness of ethical considerations in AI, including bias and fairness.
- **Model Evaluation:** Accuracy, precision, recall, F1-score, confusion matrix.
- **Deep Learning Frameworks:** TensorFlow, Keras (basic knowledge).
- **Testing:** unit testing
- **Version Control:** Git, GitHub
- **Operating Systems:** Windows, Linux Ubuntu
- **Code Editors:** Visual Studio Code, IntelliJ, Eclipse, Pycharm
- **Project Managemet:** Trello
- **Problem-solving:** Ability to analyze and solve coding challenges efficiently

- **Collaboration:** Strong teamwork and communication skills, experience working in group software development projects
- **Continuous Learning:** Eagerness to stay updated with the latest technologies and industry trends

RELEVANT WORK EXPERIENCE

EQUITY BANK (K) LIMTED

Roles: Cashier, Accounts Opening Officer, and Direct Sales Representative

(2017-2023) – 3 years cumulative

Responsibilities

- Managed daily cash transactions and customer inquiries, ensuring accuracy and efficiency.
- Facilitated account opening processes and provided customer support for new and existing clients.
- Promoted bank products and services through direct sales, achieving targets and enhancing customer satisfaction.

ANANSI CENTRE

(April 2024 – July 2024)

- Web Design Technical Mentor (Internship)

ROLES

- Providing personalized guidance and support to students in understanding fundamental web design
- principles, including HTML, CSS, and JavaScript.
- Conducting interactive workshops and training sessions to enhance students' proficiency in modern
- web design frameworks such as React.js and Flask.
- Collaborating with fellow mentors to develop and refine curriculum materials, ensuring alignment
- with industry standards and best practices.
- Offering constructive feedback and mentorship to students on their design projects, helping them
- troubleshoot issues and optimize their designs for performance and user experience.
- Facilitating peer learning and fostering a collaborative environment where students can share
- insights, exchange ideas, and learn from each other's experiences.

PROJECTS

Merch Mate

Merchandiser Route planner and location tracker

- **Description**: Merch Mate enables the Consumer Packaging Goods(CPG) industries to manage their merchandisers while on duty. Managers can assign merchandisers monthly route plans, edit the route plans, track merchandisers location on google map, receive real-time responses from merchandisers in the field through emails, and verify the information sent. Merchandisers can view their assigned routes on a calendar, provide responses to their manager, turn on/off their GPS location. The system rates performance of each merchandiser and shows their daily performance on the dashboard
- **Technologies**: React.js, TailwindCSS, Flask, PostgreSQL, Celery, JWT.

Insight Wellbeing

Therapy Clinic Management System

- **Description**: A web application for managing psychotherapy services with user roles such as admin, doctor, and patient. It includes features for activity monitoring, prescription management, impression generation, and role-based access control, ensuring secure and efficient access to patient data.
- **Technologies**: React.js, TailwindCSS, Flask, PostgreSQL.

TRANSFERABLE SKILLS

- **Certified First Aider:** Certified in first aid techniques, including CPR, wound management, and emergency response procedures. Equipped to provide immediate assistance in medical emergencies and ensure the safety and well-being of individuals.

- **Certified Fire Marshal:** Trained and certified as a Fire Marshal, proficient in fire safety protocols, evacuation procedures, and fire prevention measures. Responsible for promoting fire safety awareness, conducting fire drills, and coordinating emergency responses in the event of a fire.

- **Certified Stress Management:** Skilled in stress management techniques and strategies to cope with high-pressure situations effectively. Capable of maintaining composure, prioritizing tasks, and managing workload to minimize stress and maximize productivity.

- **Certified Occupational Health and Safety:** Knowledgeable in occupational health and safety regulations, standards, and best practices. Committed to promoting a safe work environment by identifying hazards, implementing safety protocols, and conducting risk assessments to prevent workplace accidents and injuries.

INTERESTS

- Web Application Development
- Mobile Application Development
- Database Management (SQL and NoSQL)
- Software Design Patterns

PROFESSIONAL REFEREES

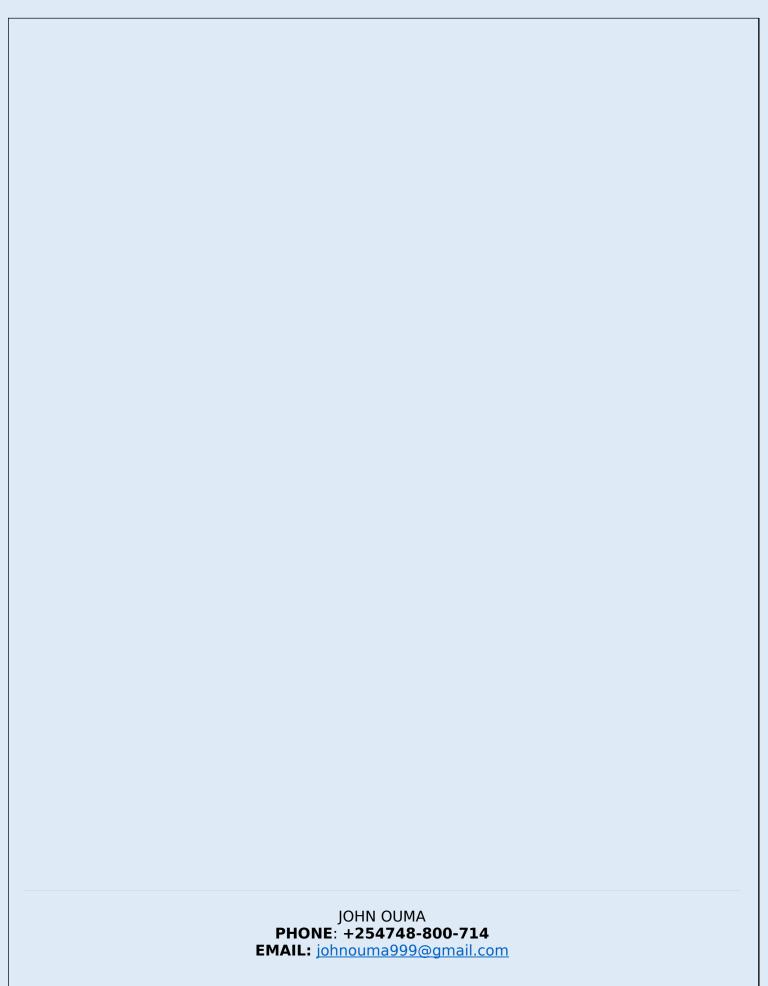**Name**: Eric Mong'are,

Relationship: Technical Mentor,

Institution: Moringa School,

Email: eric.mongare@moringaschool.com

REFERENCES AVAILABLE UPON REQUEST.

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