

JOHN OUMA

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

JOHN OUMA

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[Ouma Arera](#)

PERSONAL DETAILS

I am a highly motivated and adaptable individual eager to embark on a rewarding engagement in Software Development. With a strong foundation in programming languages such as HTML, CSS, Python, Java, SQL, JavaScript, gained through both academic studies and hands-on coding experiences, I am well-equipped to tackle complex coding challenges.

Through coursework and personal projects, I have honed my problem-solving skills and developed a keen eye for detail, enabling me to approach coding tasks with precision and creativity. What sets me apart is my ability to collaborate effectively in a team, as evidenced by my involvement in group coding projects and participation in coding competitions. Continuously striving for growth, I am passionate about staying abreast of the latest industry trends to contribute fresh ideas and solutions to any development team. I am enthusiastic about the dynamic nature of software development and eager to contribute to innovative projects that push the boundaries of technology. I am excited about the prospect of applying my skills and knowledge to real-world projects as an intern, while further refining my abilities under the mentorship of seasoned professionals.

Personal info.

Age - 25yrs

Citizenship; Kenyan

Marital status: Single

ACADEMIC QUALIFICATION.

Institution(date from - date to)	Degree(s) or diploma(s) obtained
Moringa School (Nov. 2023 - May 2024)	Software Development
Mbita High School (2012 - 2016)	Kenya Certificate of Secondary Education (KCSE) Grade: A-

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CORE SKILLS AND COMPETENCIES

- Programming Languages: HTML, CSS, JavaScript, Python, Java 17
- Frontend Development: React.js, React Native, CSS frameworks (Tailwind CSS)
- Backend Development: Django, Flask, Spring, Spring Boot
- UI/UX: Figma
- API Development: RESTful web services, REST API clients, GraphQL
- Java Technologies: Maven, Spring AOP, JPA
- Deployment: AWS
- Microservices: Quarkus
- CI/CD: Gitlab
- Threading and Concurrency: Multithreading and Java concurrency
- Database Management: PostgreSQL, Redis, MySQL
- Containerization and Orchestration: Docker, Kubernetes
- Authentication technologies: JWT, Auth2
- Task Queue: Celery, RabbitMQ
- Testing: unit testing
- Version Control: Git, GitHub
- Operating Systems: Windows, Linux Ubuntu
- Code Editors: Visual Studio Code, IntelliJ
- Problem-solving: Ability to analyze and solve coding challenges efficiently
- Collaboration: Strong teamwork and communication skills, experience working in group coding projects
- Continuous Learning: Eagerness to stay updated with the latest technologies and industry trends

RELEVANT WORK EXPERIENCE

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ANANSI CENTRE

- 1st April 2024 – date.
- 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

Merchandise 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.

Sanaa Yetu

Online Shopping Platform for Artisans

- **Description:** Developed an innovative online shopping platform aimed at empowering artisans to showcase and sell their merchandise to a global audience. The platform facilitates real-time transactions between artisans and buyers, offering a seamless and intuitive shopping experience.
- **Technologies:** React.js, TailwindCSS, Java, Spring Boot, PostgreSQL, JavaScript.

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Maestro Travels

Tourist Destination Locator for Kenya

- **Description:** Developed a comprehensive web application to assist tourists in locating destinations within Kenya. The platform allows tour guides and facilities to upload services and activities specific to their destinations, providing tourists with valuable information for planning their trips.
- **Technologies:** JavaScript, React, CSS, JSON.

Foursils Academy

Online Learning Platform

- **Description:** Led the development of an online learning platform using Flask for the backend and PostgreSQL for the database. The platform empowers students to enroll in and take courses offered by the academy, while instructors have the ability to create and manage courses. Implemented a user-friendly frontend using React and CSS to enhance the learning experience.
- **Technologies:** Flask (backend), PostgreSQL (database), React, CSS.

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.

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INTERESTS

- ◆ Object-Oriented Programming (OOP)
- ◆ Java Application Development
- ◆ Spring Framework
- ◆ RESTful API Development
- ◆ Web Application Development
- ◆ Database Management (SQL and NoSQL)
- ◆ Software Design Patterns
- ◆ Version Control Systems (Git)
- ◆ Test-Driven Development (TDD)
- ◆ Microservices Architecture
- ◆ Java Performance Optimization
- ◆ Agile Software Development
- ◆ Debugging and Troubleshooting Java Applications
- ◆ Continuous Integration/Continuous Deployment (CI/CD)

PROFESSIONAL REFEREES

Name: George Okumu,

Relationship: Technical Mentor,

Institution: Moringa School,

Email: george.okumu@moringaschool.com

REFERENCES AVAILABLE UPON REQUEST.

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