

Curriculum Vitae

Omondi Wycliffe Owuor Ouda

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GitHub: <https://github.com/ouda711> | <https://github.com/ouda21>

Bitbucket: <https://bitbucket.org/ouda211/> | <https://bitbucket.org/Ouda21/>

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BIO-DATA

Date of Birth: 28th /12/1998

Sex: Male

Nationality: Kenyan

CAREER OBJECTIVE

To acquire more experience in the field of Software Engineering by utilizing my skills and training to kickstart my career along with contributing to the growth of the company.

AREAS OF EXPERTISE

- Programming Languages: C#, Python, Java, JavaScript, C++, PHP, Dart.
- Mark-up Languages: HTML and CSS, SASS, LESS.
- Frameworks: ASP.NET, NodeJS, ReactJS, VueJS, Laravel, ExpressJS, Spring Boot, Flask Django, Tailwind CSS, Bootstrap, WordPress.
- Database: MySQL, Oracle, PostgreSQL, MongoDB, Redis, Firebase.
- Mobile Application: Android, React Native, Flutter.
- Developer Tools: GitHub, Bitbucket, Heroku, NetBeans, Visual Studio, Docker, Slack, Netlify.
- Operating Systems: Kali Linux, Windows, MacOS.
- Data: Machine Learning, Data Analysis.
- Cloud: AWS, Azure, Google Cloud.
- Testing: Postman, Selenium, Manual Testing, Unit Testing (Jest, Harness).

WORK EXPERIENCE

April 2022-Present **Senior Software Developer, Tovuti Group**

Responsibilities:

- Designing and developing robust, scalable, and efficient software solutions using ASP.NET, C#, and Azure technologies.
- Leading and actively participating in the entire software development life cycle, including requirements gathering, system analysis, design, implementation, testing, and deployment.
- Collaborating with cross-functional teams, including business analysts, project managers, and quality assurance engineers, to gather requirements and define project objectives.
- Providing technical guidance and mentorship to junior developers, assisting them in solving complex programming challenges and promoting best practices.
- Conducting code reviews and ensuring adherence to coding standards, quality guidelines, and best practices.
- Designing and implementing secure and efficient database structures using SQL Server or Azure SQL Database, optimizing performance and ensuring data integrity.
- Integrating third-party APIs and services into the SaharaDesk Maintenance System, ensuring seamless connectivity and data exchange.
- Troubleshooting and debugging complex issues in the software, identifying root causes and implementing effective solutions.
- Monitoring and optimizing the performance, scalability, and reliability of the system, identifying and resolving bottlenecks.
- Collaborating with the DevOps team to define and implement CI/CD pipelines, automating build, test, and deployment processes.
- Staying updated with the latest technologies, tools, and frameworks related to ASP.NET, C#, Azure, and software development in general, and sharing knowledge with the team.
- Participating in Agile development methodologies, such as Scrum or Kanban, and actively contributing to sprint planning, backlog refinement, and retrospective meetings.
- Creating technical documentation, including design documents, API specifications, and user manuals.
- Collaborating with the QA team to define and execute comprehensive test plans, ensuring high-quality software delivery.
- Providing technical support to clients and end-users, addressing inquiries, troubleshooting issues, and resolving software defects in a timely manner.

April 2022-Sep 2022 **Senior Frontend Developer, Quatrix Global**

Responsibilities:

- Developing and maintaining high-quality frontend applications using React, Redux, and React Native frameworks.
- Collaborating with cross-functional teams, including designers, backend developers, and product managers, to understand requirements and translate them into technical solutions.
- Taking ownership of the frontend development process, including architecture design, implementation, and deployment.
- Writing clean, reusable, and efficient code while following best practices and coding standards.
- Conducting code reviews and providing constructive feedback to junior developers to ensure code quality and adherence to established coding guidelines.
- Optimizing application performance and user experience through code optimization, caching techniques, and responsive design principles.
- Working closely with the UI/UX designers to ensure a seamless and visually appealing user interface.
- Collaborating with the backend team to define API requirements and integrate frontend components with backend services.
- Implementing automated testing and continuous integration processes to ensure the stability and reliability of the applications.
- Monitoring and debugging frontend applications, identifying and resolving bugs, performance issues, and other technical challenges.
- Keeping up to date with the latest trends and advancements in frontend development and applying new technologies and frameworks where appropriate.
- Mentoring and providing guidance to junior developers, sharing knowledge and best practices to enhance the overall team's skills and capabilities.

Feb 2021- Feb 2022 **Software Engineer, Paytree Group (Anzili.com)**

Responsibilities:

- Led successful upgrade and implementation of critical functions within the Paytree application. Much of the application was completely unexplored by current team.
- Maintained the source code and database of the existing Mzizzi eCommerce system .
- Implemented new functionalities to collect shop keys, shipping cost calculator and reports compiler in the existing Mzizzi system .
- Implemented a new dashboard for a new partner based on the existing dashboard.
- Participated in the design and monetization strategy of the new Paytree system.
- Implemented secure card payment method to the system using MPGS 3D Security feature.
- Participated in the development of 25+ microservice development of the new payment application.

Sept 2019- Aug. 2020 **Backend Developer, Fourth Profile (4P)**

Responsibilities:

- Worked as a productive and positive team member to design, code, test, report, and debug operations.
- Managed backend development in the company's placement and connection system.
- Successfully identified, diagnosed, and fixed website problems, including model constraints and controller functionalities.
- Evaluated and became knowledgeable in new standards, technologies, and trends in website application development.

Jan – March 2020 **Ulumbi High School**

Voluntary Service – 200 Hours

ACADEMIC BACKGROUND

Apr. 2018 – 2022: **Strathmore University (Nairobi, Kenya)**

Bachelor of Science in Informatics and Computer Science

(Awaiting graduation).

2013 – 2016: **St. Mary's School, Yala**

Kenya Certificate of Secondary Education (K.C.S.E) Grade:

A(minus)

Mathematics: A, English: C+

PROJECT HIGHLIGHTS

- Netflix clone: This project is based on the actual Netflix website design and functionalities. The front-end is a stand-alone client implemented in ReactJS while the back end is a monolithic server implemented in ExpressJS and MongoDB. To understand the functionalities, consider cloning the repositories from GitHub ([Frontend](#) | [Backend](#)).
- Breast Cancer Detection in Mammograms using CNN: This is a deep learning project based on flask and python that detects tumours in mammograms and determines a diagnosis. The source code for the trained model and the web application can be accessed on GitHub (<https://github.com/ouda711/breast-cancer-model>).
- Paytree Payment Gateway: This is the default payment gateway used by the Paytree group company and the Anzili shops to handle and guarantee secure online payments. It integrates three means of payment including, mpesa, card payments and equitel. <https://paytreegroup.com/>.
- Fourth Profile Server: This is a RESTful API implemented in NodeJS, ExpressJS and PostgreSQL. Its functionalities are almost like LinkedIn with additional functionalities for primary and high school students. <https://fourthprofile.com/>.

- Gen-Bio Consortium: This is a website meant for the association of EHC consultancy along-side other consultancy companies in Africa, it is implemented in PHP, HTML & CSS, jQuery, and MySQL. <https://www.genbioconsortium.africa/>.
- Facebook Clone: This is a project based on the actual Facebook website. The frontend is implemented using ReactJS, Redux, and GraphQL while the backend is based on NodeJS, ExpressJS and PostgreSQL. <https://www.linkedin.com/feed/update/urn:li:activity:6804514144117653504/>
- eCommerce Full Stack Application: This is a combination of front ends and backends of an eCommerce web application implemented in different frameworks and languages. The front end is implemented in AngularJS, VueJS and ReactJS while the backend is implemented in NodeJS, ExpressJS, Spring Boot and Hibernate, Ruby on Rails, Asp Core and Go.
https://drive.google.com/drive/folders/1KtyR1B23Mt_5RznwKvb93kZjGlXJ47d?usp=sharing

HOBBIES

- Football
- Travelling
- Painting and Drawing

REFEREES

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Dr Derdus Mosoti

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Founder and C.E.O, Fourth Profile(4P)

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