

Professional Profile

- **1.5 years** of experience in the areas of full-stack software development; with knowledge of **Object Oriented Programming (OOP) languages, Python, JavaScript, Java, SQL, HTML, Flutter**
- Knowledge of **Software Development Life Cycle (SDLC)** to deliver quality and consistency in performance
- 1 year of experience providing support to clients in fast-paced call center environments
- Self-motivated, hardworking, flexible, and eager to adopt emerging technologies with the true spirit of strong team player, written and verbal communication skill, interpersonal skill, analytical, and problem-solving skill

Technical Skills

Languages: JavaScript, Java, C++, Objective-C, HTML, Python, CSS3, XML, Dart

Framework: Node.js, Flutter Android, React, Typescript, Rest API, JSON, Bootstrap, jQuery, Django, ODI

Database System: SQL, MongoDB, SQL Server, Firebase, SQLite, PostgreSQL

Project/Code Management Tools: GIT, JIRA, Waterfall, Agile, SCRUM

IDEs: Visual Studio/Code, PyCharm, EclipseIDE, Oracle SQL Developer

Cloud: AWS (novice)

Operating Systems: Windows, Linux, macOS

Work Experience

System Transition Specialist

Super 8 Worldwide Inc, Windsor, ON

January – April 2024

Technologies: Oracle Data Integrator (ODI), Oracle SQL Developer

- Engineered a seamless transition from legacy desktop software to Opera Cloud PMS by designing UML diagrams to visualize the migration process, leveraging ODI for strategic planning and execution of data backup strategies, and ensuring data integrity throughout the system migration
- Collaborated with Cloud PMS IT support, utilizing Oracle SQL Developer to troubleshoot and swiftly resolve system errors, minimizing downtime
- Crafted comprehensive training materials for staff on Opera Cloud PMS, facilitating smooth adoption through engaging sessions while providing ongoing support to users, fostering proficiency and satisfaction with the new system

Software Engineer

Netbot Solutions LTD., Nairobi, Kenya

May 2021 – November 2022

Technologies: JavaScript, C++, Flutter, CSS3, Python, HTML, SQLite, Bootstrap, Git, Firebase, PostgreSQL

- Designed, developed, implemented, and maintained multiple projects, namely bulk SMS system web applications, visitor management system, and a comprehensive wealth management system available as both as web and mobile applications
- Implemented a Bulk SMS web application, by leveraging Python and JavaScript backend stack, and HTML, CSS, and SQLite for the frontend, while also pioneering standardized frameworks for future project reusability, which continues to be utilized by the company
- Engineered a comprehensive wealth management project by utilizing a versatile technology stack to seamlessly synchronize data and optimize financial operations
- Enhanced integration between mobile and web applications in wealth and visitor management systems by architecting robust RESTful APIs implementing OAuth for secure authentication; tested rigorously for reliability and functionality across both platforms
- Duties included meeting with business partners, scrum masters and QA to identify and groom new functionality, upgrade existing functionality and system design changes in an Agile- Scrum environment

Education

Master of Applied Computing

University of Windsor, Windsor, ON

January 2023 – June 2024

Bachelor of Computer Science Honors Applied Computing Co-op

United States International University-Africa, Nairobi, Kenya

September 2017 – August 2021

Academic Projects

LocatorDo

January – April 2023

University of Windsor, Windsor, Ontario

Technologies: Flutter, JavaScript, Git, PostgreSQL, JIRA

- Collaborated as a team of 8 to design and develop a location tracking system for mobile devices that helps users track loved ones suffering from Alzheimer's and receive alerts when the patient is outside or in an unfamiliar location
- Leveraged Dart packages to implement the core functionalities, including live location tracking, geofencing capabilities, and real-time alert notifications, enabling a comprehensive solution for caregivers and users
- Using Figma, I played a key role in designing the user interface, ensuring a user-friendly experience
- Utilized JavaScript and PostgreSQL to design a scalable backend system that facilitated real-time location updates and geofencing functionalities, ensuring efficient tracking of Alzheimer's patients and immediate notifications for caregivers
- Deployed updates via a streamlined pipeline and efficiently organized project tasks through the use of JIRA, ensuring seamless collaboration among team members.

TMT Bot Application

January – April 2021

United States International University, Nairobi, Kenya

Technologies: React.js, Python, MongoDB, HTML, CSS, Bootstrap, NLP, Sci-kit Learn, Selenium, NumPy, Panda, GIT

- Worked on TMT bot application for recommendations of TMT growing companies Fastest TMT growing companies using Python, React.js, MongoDB
- Integrated AI to automate data scrapping from various commercial websites using Selenium library
- Performed data cleaning, data analysis and, feature selection on large dataset using python libraries such as, NumPy and Pandas; applied NLP on scrapped data to gain insights and stored and processed meaningful data in MongoDB
- Used machine learning model to design and develop recommendation algorithm for the prediction and developed User Interface by React.js, HTML, CSS, Bootstrap

Recipe Spinner

January – April 2021

United States International University, Nairobi, Kenya

Technologies: React Native, HTML, CSS, Java, MongoDB, Figma

- Individually developed a hybrid mobile application using React Native, combining the efficiency of web technologies with the native performance of mobile applications
- Created prototypes and mock-ups utilizing Balsamic wireframes and Figma for user testing, facilitating feedback and improving product design.
- Engineered essential features, including user registration, authentication, ingredient usage tracking, and real-time calorie calculations for dishes, using a technology stack comprising HTML, CSS, Java, and MongoDB

Student Information System

September – December 2020

United States International University, Nairobi, Kenya

Technologies: Java, MS SQL, .net, MVC

- Developed a Student Information System (SIS) individually to simplify course registration using an iterative approach, leveraging technologies such as Java for backend development and MS SQL for database management
- Devised method for professor to input contact details and subject to be taught in forth coming terms using .net MVC framework