

HENRY OMONDI | COMPUTER SCIENTIST

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Professional Profile

“A talented IT and Computer Scientist expert with extensive 5 years experience and a specific expertise in the management and development of software projects and core networking solutions”

Dedicated to spearheading teams in the implementation of advanced systems to meet business goals and enhance structure and efficiency. Endows competent technical capabilities with reliable knowledge of programming languages and application design including software and website development. Skilled in troubleshooting alongside robust service management, clear definition of tasks, and unmatched commitment to resolving technical issues and completion of tasks concerning client's requirements and business best practices.

Core Skills

- Python Programming Language
- Django Web Framework
- Flask
- HTML5, CSS
- JavaScript (vanilla and other frameworks)
- PostgreSQL, MySQL, and MongoDB
- Control Versioning (Git and Bitbucket)
- Rest Framework APIs
- Kubernetes
- Project Management and Software Development
- Process Improvements
- Team Leadership/ Training
- Client Relation
- IT/ Operational Support

Career Summary

January 2017 – May 2019

Technical IT Support

Sevenseas Technologies Group, Nairobi

Outline

Supervised service desk engineers to ensure the effective development and management of IT and software application incidents, events, routine service requests, and business processes relative to external clients and internal stakeholders. Supported recruitment and training of new junior developers and reported to the head of service delivery.

Key Responsibilities

- Provided critical support to both clients and internal staff members via telephone, remote access, and face-to-face consultations concerning issues related to system users.

- Ensured that application data were backed up regularly in the cloud, allowing for the implementation of full disaster recovery procedures with minimum loss of information.
- Used Kubernetes to containerize python-based applications that were deployed on multiple hosts and managed those applications using the on-premise infrastructure.
- Developed python algorithms that streamlined effective multiprocessing and threading on the cloud to optimize resource allocation and access.
- Monitored system and application security and reported on potential threats for the development of appropriate risk prevention and containment plans.
- Led the team through the process of gathering requirements for the existing software development projects and addressed changes in requirements throughout the project cycle.
- Evaluated and recommend further enhancements to the existing applications; introducing performance checklists, test plans, and strategies where necessary.
- Utilized various hardware and software for system maintenance and end-user applications.

May 2019 – September 2021

Lead Software Developer

Crystal Technologies LTD, Nairobi

Outline

Led a team of developers in the implementation of IT and software development projects throughout the entire cycle to ensure alignment with users' requirements.

Responsibilities

- Carried out project planning, scheduling, budgeting, execution, and successful delivery of projects.
- Evaluated the delivery of systems in beta states and produced subsequent performance reports to achieve improved efficiency.
- Investigated and resolved system bugs and related problems, and assisted the team with implementation issues.
- Oversaw the management and testing of critical system components to ensure seamless support for existing requirements.
- Developed the backend of web-based systems using Python, Django, and Rest APIs and supported the team with frontend development tasks using UX /UI, JavaScript, and CSS principles.
- Designed security mechanisms of applications including proper authentication of users and securing of system data in both Relational and legacy databases.
- Designed and implemented applications' databases using MySQL, PostgreSQL, and MongoDB technologies according to the underlying needs of proposed systems.
- Maintained the quality of code running the applications and streamlined collaborative development using GitHub and Bitbucket as the platforms for version control.
- Supported the team throughout the process of application deployment and ensured appropriate system settings existed in the production environment.

September 2021 – April 2022

Software Project Manager

Muva Limited, Nairobi

Responsibilities

- Supported the development team comprising 5 members in the accurate documentation, resolution, and implementation of systems and applications requirements, and oversaw the execution of all processes in line with project objectives and goals.
- Developed Restful APIs for clients with data-intensive applications allowing seamless communication of data across platforms.
- Developed web applications and Content Management Systems (CMS) using JavaScript and CSS as the frontend frameworks and incorporated Django web Framework in the backend to leverage the capabilities of the Model View Template (MVT) software design pattern.
- Optimized and maintained the functionalities of python-based applications that ran on the cloud.
- Managed and maintained database integrity by implementing necessary constraints on user and application data.
- Conducted overall testing and debugging of applications using Django-based debugging and test mechanisms as well as the implementation of validators and security components.

Education & Qualifications

Bachelor of Science (Hons)

Computer Science

Egerton University, Kenya

Additional Information

Technical Skills

Hardware/Systems: PC/Server, Admin, Routers, Switches, IP Telephony, Mac OS, UNIX Systems, Windows OS

Applications: Microsoft Office including Word, Excel, Outlook, and PowerPoint; SAP, Microsoft Azure, Office 365

Others: Oracle, MySQL, Active Directory, Windows Server 2008 & 2012, Avaya IP Telephone Systems, SAP Configuration, cable, Firewalls, VOIP, VPNs, and Security Protocols
