OKELLO JOHN SILAS

SOFTWARE ENGINEER

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Professional Summary

I am a self-motivated and adaptable software developer recognized for translating complex business needs into innovative technical solutions. Known for collaboration and adaptability, I excel in team environments, working closely with data and operations teams to meet customer needs. My expertise includes Machine Learning and Deep Learning, with a focus on cancer research and radiomics. Proficient in handling technical issues, creating system documentation, and conducting quality assurance, I bring efficiency to project development and prioritize user experience optimization. Backed by a strong academic and technical background, I am committed to delivering cutting-edge solutions in the dynamic field of Machine Learning, especially in cancer research and radiomics.

Work Experience

Ritsumeikan University | College of Global Liberal Arts Teaching Assistant   **2023 - present**

Engaging Classroom Activities: Implemented creative and engaging classroom activities to enhance student interest and motivation.

Enhanced Participation: Improved overall class participation by introducing group activities and project-based learning methods.

Continuous Assessment and Adaptation: Evaluated student performance through regular assessments, tracked progress, and adjusted instructional strategies accordingly.

Constructive Feedback: Provided constructive feedback on student assignments to refine their writing skills and comprehension.

Mentorship and Support: Served as a mentor to new teaching assistants, offering guidance on effective classroom management and instruction strategies, and assisted in developing comprehensive lesson plans tailored to individual student needs.

Alys English School | English Tutor   **2022-2023**

Confidence Building in Spoken English: Increased student confidence in spoken English through consistent practice and constructive feedback in conversational exercises.

Student Empowerment: Empowered students to take ownership of their learning process by encouraging active participation in lessons and discussions.

Creative Teaching Strategies: Implemented creative teaching strategies, including role-playing and multimedia resources, resulting in heightened student interest.

Effective Record Keeping: Maintained accurate records of tutoring sessions, tracking attendance, progress notes, and identifying areas for future focus.

Adaptive Instruction and Inclusivity: Adapted lesson plans to accommodate diverse student needs, ensuring equitable access to content, and adjusted instructional strategies based on regular assessments for optimal learning outcomes.

CapaBuil Limited | Data Analytics Business Development Associate   2022-2023

Strategic Communication and Contract Acquisition: Developed compelling proposals and presentations that effectively communicated the value of solutions, securing multiple contracts with potential clients.

Revenue Growth Strategies: Increased company revenue through proactive promotion of products and services via cold calling, networking, and impactful presentations to prospective customers.

Customized Solutions and Successful Partnerships: Collaborated with cross-functional teams to develop customized solutions for clients' unique business needs, fostering successful and lasting partnerships.

Exceptional Customer Service: Provided outstanding customer service by addressing client concerns promptly and maintaining regular communication throughout the entire partnership process.

Upselling and Cross-Selling Success: Identified opportunities for upselling and cross-selling within the existing client base, generating additional revenue streams for the company.

MAAT Systems East Africa | Software Engineer   2022

Code Quality Assurance: Assisted in conducting thorough code reviews to identify areas of improvement and ensure adherence to best practices within the development team.

Efficient Deployment Practices: Supported continuous integration and deployment practices, reducing time-to-market for new features, and promoting efficient release processes.

Legacy Code Refinement: Refined legacy codebases by refactoring outdated methodologies and replacing deprecated components with modern alternatives.

Security Enhancement: Improved security measures within existing systems through vulnerability analysis and implementation of appropriate countermeasures.

Innovation and Scalable Solutions: Contributed to research on new technologies, collaborated with cross-functional teams, and played a role in developing scalable web applications that increased user engagement and satisfaction. Developed user-friendly interfaces for seamless navigation and improved user experience.

Strathmore Computing and Engineering Students Association | Club Ambassador   2021-2022

SCESA Diversity and Inclusivity Team: Engaged in a team within the Strathmore Computing and Engineering Students' Association (SCESA) that focused on addressing the needs of diverse groups, fostering inclusivity, and promoting industrial experiences for over 250 members.

Promoting STEM Culture: Actively participated in various activities aimed at growing the culture and adoption of science, technology, engineering, and mathematics (STEM) among fellow students through seminars and courses.

Operational Support: Assisted the team in developing operational policies and procedures to enhance service delivery within the association.

Community Engagement and Networking: Served as an ambassador at charity events, built relationships with key stakeholders, and developed an extensive network of community contacts, increasing the organization's visibility.

Outreach and Representation: Developed and implemented a comprehensive social media outreach strategy, resulting in increased followers, and represented the organization at professional conferences by delivering engaging presentations to diverse audiences.

Strathmore University | Challenge Driven Education Exchange Project Intern   **2021**

Problem-Solving and Innovation: Applied problem-solving skills to efficiently address unexpected challenges in ongoing projects, collaborating with the team to develop innovative solutions, thereby enhancing overall project effectiveness.

Adaptability and Communication: Demonstrated adaptability by taking on additional responsibilities, streamlining communication channels, and organizing team meetings to improve project efficiency.

Effective Project Management: Managed multiple priorities effectively, delivering consistent results under tight deadlines throughout the internship period, while actively participating in concept development and idea generation.

Collaboration and Stakeholder Relations: Participated in cross-functional teams, supported project managers in monitoring progress, maintained clear communication with stakeholders, and contributed to comprehensive market research for company growth. I collaborated with external partners to ensure smooth implementation of events which led to the generation of over half a million shillings towards the Elimisha Student Scholarship fund.

Data Analysis and Productivity Improvement: Utilized data analysis skills to identify areas of improvement in projects, implemented new organizational tools for task tracking and time management, and delivered high-quality presentations on project updates to senior management and stakeholders.

12th Student's Council Strathmore University | Presidential Senate Advisor   **2020 - 2021**

Promotional Activities: Actively advertised Student Senate meetings to ensure widespread awareness and participation. I also utilized effective communication channels to promote transparency and inclusivity.

Agenda Enhancement: Reviewed agenda items thoroughly, contributing to the creation of comprehensive and relevant meeting agendas. Engaged with peers and school contacts to gather diverse information and ideas for agenda improvement.

Leadership in Student Senate: Played a key role in the Student Senate by bringing forward agenda items and actively participating in decision-making.

Student Representation: Assisted the senate in understanding and addressing student issues, actively gathering opinions for improved representation. Strengthened the connection between students and the Student Council, fostering inclusivity.

Communication and Record-Keeping: Maintained clear communication with the school community regarding Senate activities. Actively participated in council activities, contributing to a collaborative environment. Kept meticulous records of discussions and decisions made during Student Senate meetings.

Strathmore University | Students Helping Students External Outreach Ambassador   **2020**

Data Improvement and Analysis: Improved data collection methods for tracking outreach efforts, allowing for more accurate analysis of results and impact during the creation of the Students Helping Students Program.

Community Engagement and Relationship Building: Established strong relationships with key stakeholders and conducted regular follow-ups with community members, reinforcing positive relationships and ensuring necessary support.

Effective Outreach Campaigns: Supported team members in executing successful outreach campaigns, resulting in heightened community awareness of available resources, and strengthened partnerships with local organizations through regular communication and collaboration.

Adaptability and Goal Setting: Adapted quickly to changing circumstances during fieldwork, tailored presentations to specific audience demographics, and evaluated the success of outreach campaigns using quantitative metrics, contributing to improved project outcomes.

Communication and Outreach Strategies: Streamlined communication channels within the outreach team, utilized social media platforms to expand reach, and developed tailored strategies for diverse populations, enhancing community engagement and ensuring inclusivity in disseminating information and services.

Education

MSc, Information Science and Engineering   **2024**

Ritsumeikan University.

BSc, Business Information and Technology   **2022**

Strathmore University.

Dip, Business Information and Technology   **2019**

Strathmore University.

Certifications

Artificial Intelligence and Machine Learning.   **2021**

Strathmore University IT Students Association, Strathmore University.

Introduction To Programming: Software Engineer   **2019**

Moringa School, Nairobi Kenya.

Skills & Abilities

Object-Oriented Programming, Machine Learning, Integration, Mobile App Development, Web application development, Algorithm development, Software Architecture, Design API Development, Performance Optimization, Continuous Integration and Deployment Data Structure Optimization, Software Testing Strategies, Cross-platform Development, Network Security Protocols, Code Review Techniques, Software Debugging, Effective verbal communication, Code testing, Data Storage and Retrieval API Design and Development, RDMS Development, Software Documentation Control Education.

Databases: Oracle, MongoDB Source and Version Control: Git, GitHub.

Project Management Continuous Integration Systems Software Testing and Validation Problem-Solving. JSON mapping Performance Analytics, Analytical Skills, Creative Problem-Solving, Project Documentation,

Testing and debugging, Reliability, Android Software Development, SOAP and RESTful Web Services, Adobe Software, CRM Software, System Administration, Relationship Building.

References

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