ORIEL KIPLANGAT

# Software Engineering and Information Systems Expert

Creative Thinking | Strategic Insights and Influence | Executive Leadership | Administrative and Organizational Skills | Computer & Software Proficiency| Strong Decision-Making Skills | Strong Analytical Skills |Risk Management Skills| Data Collection |Data Analysis | Time Management | Excellent Communication & Interpersonal Skills

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PROFESSIONAL PROFILE

I am a highly motivated and adaptable software developer, specializing in web development. I am currently studying mobile application programming, AI, and various other software engineering skills. My dedication to continuous learning and professional growth drives me to excel as a software engineer. With a solid foundation in software development principles and technologies, I possess the knowledge and skills necessary to design and develop innovative software solutions effectively.Throughout my academic journey at Kabarak University, where I study Bachelor of Science in Information Technology, I have become proficient in various software development methodologies, programming languages, and application development tools. This expertise enables me to approach software challenges with creativity and precision. I thrive in dynamic environments, relishing the opportunity to work on diverse projects related to web and mobile application development, AI, and more. I am always eager to tackle new challenges in the field of software engineering and expand my skill set.

* Creative Problem Solving: Software developers are frequently tasked with solving complex problems, whether it's debugging code, optimizing algorithms, or finding innovative solutions to meet user needs.
* Strong Programming Skills: Proficiency in various programming languages and paradigms is crucial for software developers to efficiently write, debug, and maintain code.
* Web Development Expertise: Knowledge of web development technologies like HTML, CSS, and JavaScript is valuable for creating and maintaining web applications.
* Mobile Application Development: Competence in mobile app developnment platforms and languages (e.g., Android/iOS development) is important for building mobile applications.
* AI and Machine Learning Knowledge: Understanding AI and machine learning concepts can be advantageous for developing intelligent software solutions, such as recommendation systems or predictive analytics.
* Software Architecture and Design: The ability to design scalable and maintainable software architectures ensures that applications are robust and can adapt to changing requirements.
* Database Management: Proficiency in database management systems (SQL, NoSQL) is crucial for storing, retrieving, and managing data efficiently.
* Agile Software Development: Familiarity with Agile methodologies (e.g., Scrum) enables developers to work collaboratively, iterate quickly, and respond to changing project needs.
* Version Control Systems: Competence in version control tools like Git helps developers manage codebase changes, collaborate with team members, and track project history.
* Strong Analytical Skills: Analytical skills are essential for debugging code, optimizing algorithms, and evaluating the performance of software applications.
* Excellent Communication & Interpersonal Skills: Effective communication is crucial for collaborating with team members, understanding project requirements, and providing clear documentation.
* Time Management: Time management skills help developers meet project deadlines, prioritize tasks effectively, and balance multiple responsibilities.

PROFESSIONAL EXPERIENCE

**INDUSTRIAL ATTACHMENT** | May – August 2023

**Huduma Centre Bomet**

Key Contributions:

* Providing technical support to end-users addressing hardware and software issues
* Assisting in monitoring and maintaining the company’s network infrastructure
* Installation of Operating system (Windows 7, Windows 8, Windows 10, Windows 11).
* Installation of Microsoft Office application program.
* Providing technical support to end-users addressing hardware and software issues.
* Assisting users with software installations, account setups and password resets.
* Identifying root causes of issues and providing step-by-step guidance to resolve them.
* Using remote access tools to troubleshoot and resolve issues on users’ computers from a centralized location.
* Guiding users through the process of granting remote access permissions.
* Logging and tracking technical support requests using the company’s ticketing system and ensuring timely follow-up and resolutions of open support tickets.
* Providing basic training to users on newly installed software applications to enhance their proficiency
* Assisting with customer queries
* Troubleshooting network connectivity issues and problems of network cables.

# EDUCATION

# B.Sc. Information Technology | 2020 - 2024

Kabarak University

Kenya Certificate of Secondary Education (K.C.S.E) | 2016 - 2019

Sigor Boys High School, (B- Minus)

Kenya Certificate of Primary Education (K.C.P.E) | 2008 - 2015

Bomet Township Primary School

# CERTIFICATIONS

# Certificate in Data Science with R | May 2023- Ongoing

Jomo Kenyatta University of Agriculture & Technology (JKUAT)

# Certificate in Statistical Packages of Social Sciences | May 2023- Ongoing

# B.Sc. Information Technology

Kabarak University

# INDUSTRY EXPERTISE

* Programming Languages: Java, C++, Python, JavaScript
* Web Development: HTML, CSS, React
* Database Management: SQL, MongoDB
* Version Control: Git
* Agile/Scrum methodologies
* Problem-solving and algorithm development
* Strong teamwork and communication skills

REFEREES

Dr. Mosses M. Ngigi

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