Samuel Cromwell

[Github Profile](#)

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Nairobi, Kenya

EDUCATION

Bachelor of Science in Computer Science

Kenyatta University   Nairobi, Kenya

Kenya Certificate of Secondary Education (KCSE)

Alliance High School   Kiambu County, Kenya

SKILLS AND COMPETENCIES

- **Technical Skills**:

  Python (Django Framework): Proficient in building scalable web applications with Django.

  API Integration: Experienced in developing and integrating RESTful APIs, ensuring secure and efficient communication between systems.

  PHP (Laravel): Skilled in developing server-side applications and integrating third-party APIs.

  JavaScript (React.js, Vue.js): Experienced in creating dynamic and interactive web applications.

  HTML & CSS: Skilled in building responsive, visually appealing web pages.

  MySQL: Experienced in designing and implementing relational databases.

  Git & GitHub: Proficient in version control and collaborative software development.

  Java & Spring Boot: Skilled in building microservices and API-driven backends.

  Postman: Proficient in testing and debugging APIs to ensure reliability and performance.

  Swagger: Experience in documenting APIs for better collaboration and maintenance.

  AWS: Skilled in deploying and managing cloud infrastructure using AWS services like EC2, S3 & Lambda.

  Docker & Kubernetes: Proficient in containerization and orchestration for deploying scalable applications.

  C & C++: Expertise in low-level programming and system development.

  Microsoft Office Applications: Proficient in Word, Excel, Publisher and PowerPoint.

- **Soft Skills:**

  Attention to Detail: Meticulous in ensuring accuracy and quality in all tasks and projects.

  Leadership: Capable of guiding and motivating teams to achieve goals and deliver results.

  Interpersonal Skills: Adept at building strong, collaborative relationships with colleagues and clients.

  Rapport Building: Skilled in establishing trust and understanding with team members and stakeholders.

  Effective Communication: Clear and concise in both written and verbal communication, ensuring ideas are well-articulated.

  Ethical: Strong commitment to integrity and ethical practices in all professional interactions.

  Team Player: Collaborative and supportive, thriving in team environments to achieve common objectives.

PROFESSIONAL EXPERIENCE

Software Developer (Python & A.I)   **Remote-Nairobi, Kenya**

Interintel Technologies Limited   Nov 2024 – Present

- Developed and fine-tuned Large Language Models (LLMs) to improve their accuracy up to 95% and performance for various use cases.
- Designed and implemented machine learning models to solve real-world problems effectively.
- Analyzed complex datasets using tools like Google Colab and Jupyter Notebook to extract insights and improve decision-making by 20%
- Optimized AI-driven processes by enhancing model precision and computational efficiency.
- Collaborated with cross-functional teams to integrate AI solutions into existing systems.
- Conducted experiments and iterations to refine model performance and address client-specific requirements.
- Utilized deep learning frameworks such as PyTorch and TensorFlow to design, train, and deploy advanced machine learning models, enabling efficient development and scalability.

Software Developer   **Nairobi, Kenya**

Shamba Records and OnceSync Group   Sept 2024 – Present
- Collaborated on the Shamba Records system dashboard, discussing potential enhancements, bug fixes and UI improvements with the team to increase the interactivity of the platform by 20%.
- Designed and implemented RESTful APIs for seamless integration with third-party services and internal systems, improving operational efficiency by 25%.
- Collaborated with the team to enhance the Shamba Records dashboard, integrating real-time data and APIs to provide live updates and insights.
- Revamped existing interfaces for various systems, including an ERP system used by cooperatives to improve functionality and user experience by up to 15%.
- Maintained digital records using an online regression sheet document for seamless project tracking and updates.
- Developed a tracking tree using Blockchain (Solidity) to ensure transparency and immutability in digital records
- Worked on enhancing an e-procurement site, improving its functionality, user interface and overall performance to streamline procurement processes.

Software Developer   **Nairobi, Kenya**

Vesen Computing Solutions   May 2023 – Aug 2024
- Collaborated with team members on the development of websites for various companies, including [Jambopay](), [Hemlab](), and GreenAI. This involved designing and implementing features for account and user management, wallet management, bill management, notifications, and seamless API integration to ensure robust functionality.
- Designed and integrated APIs to support core functionalities, including the Daraja API for seamless M-Pesa payment integration, enhancing payment processing systems.
- Utilized modern web development technologies and frameworks such as Tailwind CSS, Django, SQLite3 and MySQL to deliver scalable and maintainable codebases.
- Set up admin panels for websites, enabling efficient content management and streamlined operations for clients.
- Debugged and resolved technical issues, performed code reviews, and optimized website performance to ensure a smooth and responsive user experience.
- Created comprehensive documentation for websites and systems, facilitating easier future maintenance and updates by other team members.
- Engaged in continuous learning and skill development by staying current with industry trends and best practices, applying new knowledge to enhance project outcomes.

Software Developer   **Remote - Nairobi, Kenya**

Remotasks   July 2021 – July 2022
- Annotated various scenes remotely used by AI systems such as self-driving cars.
- Conducted precise LiDAR segmentation tasks, accurately delineating objects and environments from point cloud data to support various industries such as autonomous vehicles, urban planning and infrastructure management.
- Applied advanced annotation techniques to LiDAR data, including point cloud labeling and object categorization, ensuring high-quality datasets for training machine learning algorithms and enhancing the performance of computer vision systems.
- Collaborated effectively with remote teams to efficiently complete LiDAR segmentation and annotation projects, demonstrating strong communication skills and the ability to work remotely in a fast-paced environment.
- Maintained a high level of accuracy and consistency in LiDAR data labeling, adhering to project requirements and quality standards to deliver reliable datasets for clients and stakeholders.
- Adapted to evolving project requirements and software tools, staying up-to-date with the latest methodologies and technologies in LiDAR segmentation and annotation to continuously improve productivity and deliver superior result

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PERSONAL PROJECTS

Driving School Management System   Oct 2023 - *March 2024*
- Conceptualized, designed, and developed a comprehensive web-based driving school management system using Django framework and MySQL database.
- Implemented user-friendly features using HTML, CSS and Java-script allowing trainees to conveniently book lessons, track their progress, and manage financial transactions within the platform.

- Integrated an administrative interface enabling efficient management of trainee financial records and user registrations, enhancing administrative control and oversight.
- Implemented an automated mobile payment functionality using Daraja API for M-pesa payments.

Chat Application *Jan 2023*
- Spearheaded the design, development, and deployment of a web-based chat application leveraging HTML, CSS, JavaScript, and Django framework.
- Engineered a sophisticated content filtering mechanism capable of detecting and censoring inappropriate language in real-time messages, ensuring a safe and respectful communication environment for users.

Property Management System *Nov 2022*
- Designed, developed and implemented a robust property management system utilizing Java programming language.
- Implemented functionalities enabling landlords to effortlessly monitor the status of housing units, including vacancy and occupancy rates, and efficiently track rent collection activities

E-Commerce Application *Oct 2022*
- Collaborated with a team of classmates to conceive, design, and develop an intuitive e-commerce website using HTML, CSS, and JavaScript.
- Engineered seamless user experiences, allowing customers to browse products, add items to their shopping cart, and securely complete transactions, thereby facilitating smooth online shopping interactions.

Chemist POS *Mar 2022*
- Developed a Chemist POS using VB.NET together with other team mates, which streamlines sales transactions and inventory management for chemist shops.
- The system automates processes such as sales recording and stock tracking, improving efficiency and accuracy in managing pharmaceutical products.

CERTIFICATIONS

Cisco Introduction to Cybersecurity, *CISCO* *2021*

REFEREES

Kevin Maina Senior Developer – Shambarecords
Email: kevin@shambarecords.com
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Anna Odhiambo
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