Curriculum Vitae

Name: Alex Kimutai

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Date of Birth: 25th June 1999

Marital Status: Single

Nationality: Kenyan

Languages Spoken: Kiswahili, English, Kalenjin

What do I bring to the table?

As a potential candidate for the position of Software Developer post, I hold a Bachelor's Degree in Computer Science with experience (two years combined as an attachee and intern) with Kenya Wildlife Service, where I have participated in the software development teams and supported their database and record-keeping systems. In this role, I demonstrated excellent data entry and management skills to ensure the integrity of sensitive organisational information. I am a dedicated and results-oriented data analyst passionate about technology and problem-solving. With over two years of experience in roles spanning IT support, data analysis and web development, I bring a diverse skill set focused on delivering value through data-driven solutions. I was born in Kenya and hold a Bachelor's Degree in Computer Software Engineering from Egerton University. Over there, I started seeking opportunities to expand my knowledge through online certifications in technologies like MySQL, Cisco Networks and Python programming, but slowly, I got addicted to Typescript/Javascript, and I believe its frameworks are so easy to use in developing SPA/DWA. Beyond technical skills, with excellent prioritisation, project management skills, and a desire for constant development by embracing innovation and following guidelines and procedures correctly through highly organised work habits and documentation, my competencies and knowledge can make me a capable candidate for your organisation. My portfolio is here: https://www.unemployedproffesor.com/

Education

Bachelor's degree

- Egerton University (Sep 2018 - Oct 2022)

- Bachelor of Science in Computer Science

- I received my Bachelor's in Computer Science from Egerton University in 2023. During my studies, I achieved a Second Lower Division classification.

Secondary School Education

- Saint Patrick's High School Iten (Jan 2014 - Nov 2017)

- Kenya Certificate of Secondary Education (KCSE)

- I completed my secondary education at Saint Patrick's High School Iten in 2017. In the KCSE examinations, I scored an A- (74 points).

Primary Education

- Nabkoi Boys Boarding Primary School (Jan 2009 - Nov 2013)

- Kenya Certificate of Primary Education (KCPE)

- I began formal education at Nabkoi Boys Boarding Primary School. In Nov 2013, I sat for the KCPE examinations and scored an A.

Licenses & Certifications

2023 - Introduction to Project Management, IBM and Coursera

2023 - Database Structures and Management with MySQL, Coursera

2023 - Cyber Threat Management, Cisco

2023 - Networking Basics, Cisco, a stepping stone to CCNA certifications.

2023 - Python Essentials 1, Cisco

2023 - Python Essentials 2, Cisco

Personal Mantra

Almost everything is possible under the sun to the point where I always find a way through challenges thrown at me in a work setting. My strengths are great in resilience and creativity. Also, I am strong in digging through data or consulting to find ways to solve problems; thus, I can also be good at research skills and teamwork.

Key Abilities

- My degree has exposed me to environments utilising data analytics using tools like Python, R and SQL to generate insights from large datasets to aid business decision-making.

- Project management - I am proficient in managing complex projects from end to end using methodologies like Agile, Waterfall, and PRINCE2 thus, I can take on finance-related tasks such as financial modelling and valuation, credit risk analysis, financial reporting and accounting.

- Accounting and statistics- While rotating across departments in KWS, I gained expertise in statistical modelling techniques like regression analysis, hypothesis testing, and statistical inference while we were projecting the expected sales and profits, and this improved my surveillance ability to oversee finance and bank systems.

- From a mathematics, economics and actuarial science aspect, while using tools such as PowerBi and Tableau, I am experienced in economic forecasting, policy analysis and modelling economic systems.

- Data mining - With minimal supervision and surveillance, I am perfect at extracting business value from large unstructured datasets using predictive modelling, association rule mining, and decision trees.

- Auditing, research, and data mining - I am easily trained to manage quantitative, qualitative and mixed methods research across regulated economics, finance and accounting domains.

- Warehousing - Expertise in data warehousing, ETL processes, OLAP cubes & SQL for business intelligence and reporting using tools like SSIS, SSRS, Power BI and Tableau.

- Data science and cyber security skills - Expert skills in machine learning algorithms for predictive surveillance, modelling and automation using programming skills in R and Python, all of which are characteristics of actuarial science.

- Write reports and project management - I am experienced in authoring audit, risk, compliance, and industry trend reports for business and regulatory stakeholders, as I would bi-weekly write reports to my immediate supervisor while interning at Lake Nakuru National Park, and I can easily articulate my thoughts when asked to do so.

- Implementing recovery plans - With time, I have learned that embracing innovation and developing and implementing business continuity and disaster recovery plans and frameworks is essential.

- Industry trends and risk management anticipation - I am always looking for future and emerging industry trends in the cyber security world that might be useful in financial institutions thus, I am confident in my ability to learn and maintain tools such as RegTech and Suptech easily for supervision.

- - Expertise in enterprise risk management functions through frameworks like COSO and ISO 31000.

- As I took a Bachelor of Science in Computer Science, I am conversant in algorithms, OS, DBMS, networks, statistics, cybersecurity terminologies, and full-stack web development, let alone using tools such as Termux to conduct penetration testing to frameworks or conducting network/application exploitation, social engineering and reporting vulnerabilities.

- Working at KWS taught me the importance of disaster recovery. I have experience managing disruptive events through effective leadership, coordination, damage control, and recovery planning.

- Beyond my moral discipline, I believe in my emotional intelligence as I am calm and easily employ creative thinking without commanding a supervisory tone regarding conflict management, decision making, and incident reporting when resolving employee disputes, industrial conflicts, regulatory investigations, presentation skills, and litigation through discussions to promote or create strategic alliances for business continuity thus, this makes me perfect for business administration and accountability.

- Leveraging my computer science degree and statistics from actuarial science, I have the skills to utilise information architecture to conduct vulnerability assessment and identification risk rating, proof of concepts, control evaluation and reporting in the build-up to financial reporting.

- Leveraging on my ability to adapt to any organizational structure and change management, I can thrive across roles like credit, trade, cash management, and relationship management.

Experience

1. Jan 2023 - Jul 2023

   During this period, I served as an attache at KWS, Lake Nakuru National Park, which also serves as Central Rift Conservancy Area as a junior network engineer, where my responsibilities included IT support, software support, network administration, database management, and record keeping.
   I helped develop and train a model for automated flamingo counting utilising machine learning, although the model is still being worked on and is expected to be used in the upcoming annual bird counting activity at LNNP.

1. Jan 2021 - Jul 2021

   Data Analyst

   CoELIB-Centre · Nakuru, Kenya

Achievements:

- I worked as an IT Technician at Kenya Wildlife Service, supporting over 500 users and leveraging competencies like multitasking, problem-solving, program management, and organisation.

- Key achievements include automating processes through programming during an internship at Lake Nakuru National Park and reducing labour costs by 30% while improving record accuracy.

- By actively monitoring and maintaining, I helped maintain 99.9% uptime of critical financial systems, contributing to faster processes and increased sales, and my colleagues recognised the ability to seamlessly handle multiple priorities while maintaining organised documentation through a customer-focused, methodical style emphasising clear communication to ensure service excellence.

- At some point last year, as a team, we were tasked to develop data visualisation dashboards using Tableau, reducing weekly reporting time by 35%; these competencies are backed by my knowledge of using analysis tools such as PowerBI.

- Streamlined data collection processes through custom scripting, eliminating manual data entry

- Identified anomalies and errors in over 500 student records, improving database accuracy by 98%

- Trained five new interns on analytics tools and best practices for quality control

- Automated monthly financial forecasts using Excel macros, enabling scenario planning and faster decision-making

- Spearheaded implementation of a CRM system, standardising communication channels and boosting response rates

- Received excellence award for a research project analysing youth unemployment rates using R statistical software

Workshops And Seminars Attended

2. DevFest Western Kenya 2022.

   University of Nairobi, Kisumu Campus, Oginga Odinga Rd, Kisumu, 40100.

   Date: Saturday, November 19, 2022,

3. DevFest Nairobi 2022.

   Date: Saturday, November 5, 2022.

   United States International University Africa

4. DevFest Nairobi

Date: 22nd Sep 2018

Location: Nairobi, Kenya

Theme: Connecting developers, learning, sharing, and building new things

Technical Skills

- Strong skills in network engineering, security, performance from technologies like AWS, SDN, CCNP, VoIP, CCNA, network security

- Knowledge of network infrastructure to configure systems, troubleshoot issues, and ensure resilience

- Leverage analytical thinking and attention to detail to understand system dependencies and collaborate effectively using communication technologies.

- Certified in CCNP to troubleshoot issues and identify root causes through problem-solving abilities

- Oracle and VMware certified to design reliable databases and virtualised environments

- Implement established guidelines, document processes thoroughly and present complex concepts clearly through adaptability and resilience.

- Maintain system stability through methodical approaches to backups, maintenance, and updates using WES analytical skills to track inventory, orders and reports.

- Understand how information systems and ICT technologies solve business problems for tools like CRM in Salesforce.

- Leverage multiple cloud platforms like AWS.

- Knowledgeable across Windows platforms to install, configure, and optimise systems and identify hardware issues through attention to detail in CPUs, memory or drives.

- In addition to proper time management, I am confident in my ability to handle stress through adaptability and collaboration skills, let alone problem-solving with resilience and attention to detail

Professional Experience

- Jan 2023 - March 2023 - Aerial Flamingo Counting Project, Kenya Wildlife Service (KWS), where we developed a proprietary heat detection model using machine learning to count flamingo populations from aerial images automatically.

Websites Developed

1. My Portfolio. https://www.unemployedproffesor.com/ (React Js, Typescript + Tailwind CSS.

2. Split is designed to help businesses streamline their marketing efforts and increase their users.

   https://split-xi.vercel.app/ (ReactJs, Typescript + Tailwind CSS)

3. The perfect solution for showcasing your product, desktop app, or mobile app in a visually appealing

   and user-friendly way to help you get more users to try your product .https://starboard-one.vercel.app/

   Built with (NextJs, Tailwind, and Typescript)

4. IO Academy website template provides you with everything you need to create a professional and

   engaging course website that will help users and give them the best learning experience possible.

   http://ioacademy.vercel.app/ built with (NextJs, Tailwind, and Typescript).

5. Online Learning Platform (2022) https://online-learning-platform-one.vercel.app/home (React JS)

5. Educational Resources Portal (2022)

   https://shule-mtandao.vercel.app/ (React JS)

6. Quiz Generator (2022)

   https://vue-quiz-generator.netlify.com/ (Vue JS)

7. Coding Hub (2022)

   https://lucent-khapse-282624.netlify.app/ (Charity project)

8. Hospital Management Portal (2021)

   https://bit.ly/HospitalmanagementPortal (Laravel)

9. Mental Health App (2021)

   https://ebb.vercel.app (Vue JS)

10. API Testing Tool (2021)

    https://postman-clone-prism.netlify.app/ (Postman clone)

Referees

   a. Ms. Caren Chepchirchir

      ICT Manager, Coelib Center Njoro Egerton

      0720766839

   b. Mr. Vincent Kibet,

      Computer Science teacher, Kapletingi Mixed Day Secondary School

0724437563

c. Mr. Francis Kamau

ICT officer & Senior Support Technician Lake Nakuru National Park & Central Rift Conservancy Area.

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