

CRISPINE KURIA

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Nairobi, Kenya

SOFTWARE DEVELOPER AND IT SPECIALIST

OBJECTIVE

Results-driven IT Professional with a proven track record in software and web development, network and systems administration, and cloud-based solutions. Skilled in building secure, scalable, and user-centered digital systems using modern technologies such as React, Python, PHP, and AWS. Adept at leveraging AI tools, automation frameworks, and cloud computing to enhance operational efficiency and drive digital transformation. Known for technical versatility, problem-solving excellence, and the ability to lead both in-person and remote cross-functional teams.

PROFESSIONAL EXPERIENCE

IT Programmer Analyst

January 2024 - Present

Dynamic Kenya LTD — Nairobi, Kenya

- Spearheaded the design and implementation of scalable software solutions across both web and mobile platforms, achieving a 36% improvement in development speed and system performance.
- Enhanced backend operations with PHP, boosting data security and processing efficiency across several large-scale applications.
- Designed and refined user interfaces that enhanced overall software usability, driving up user satisfaction rates and reducing support inquiries by 25%.
- Conducted in-depth assessments of business processes and recommended automation strategies, leading to a 40% reduction in manual processes.
- Provided guidance on IT strategy and security protocols, helping the organization fortify its cybersecurity posture through regular system audits and security upgrades.

Remote IT Manager

January 2023

Amaris Solutions Group — Nairobi, Kenya

- Managed and maintained the company's website, ensuring high uptime, robust security, and a seamless user experience.
- Streamlined the e-commerce workflow by efficiently processing online orders, boosting customer satisfaction.
- Designed engaging social media graphics to bolster the company's digital marketing efforts and enhance brand visibility.
- Provided remote IT support across various industries, including Digital, Medical, Hardware, Chemical, and Beauty Solutions.
- Collaborated virtually with global and local partners to deliver scalable, innovative IT solutions tailored to diverse business needs.
- Oversaw IT budgets and ensured successful project delivery within defined timeframes and cost parameters.

Freelance Web and Software Developer

June 2022

Upwork — Nairobi, Kenya

- Delivered end-to-end web development for a range of clients using HTML, CSS, JavaScript, and PHP, with an emphasis on responsive design and cross-platform functionality.
- Managed projects from inception through delivery, ensuring client specifications, timelines, and budgets were strictly met.
- Incorporated RESTful APIs to streamline data integration across applications, elevating user experience and site performance.
- Conducted user testing and debugging, achieving high levels of functionality, stability, and user engagement.

Freelance Software Developer & IT Consultant

January 2021

Nairobi, Kenya

- Designed, tested, and deployed customized software applications for clients across diverse industries, utilizing a variety of programming languages including JavaScript, Python, and PHP.
- Consulted on IT strategy, infrastructure enhancements, and security measures for small to medium-sized enterprises, contributing to improved IT alignment with business objectives.
- Provided technical recommendations that enhanced network security, data storage efficiency, and software functionality, resulting in significant cost savings for clients.

Remote System Administrator

January - November 2021

Equident Healthcare — Nairobi, Kenya

- Configured and maintained secure network systems across multiple remote sites, ensuring data integrity and operational efficiency.
- Supported users through technical challenges, providing remote assistance to troubleshoot issues and implement secure IT practices.
- Performed vulnerability assessments, identifying areas of improvement and optimizing systems to meet evolving security standards.

EDUCATION

Bachelor of Science in Applied Computer Science

Egerton University — Nakuru, Kenya

Graduated: 2024

Certificate of Secondary Education

Kanjuri High School — Nyeri, Kenya

Graduated: 2019

Certificate of Primary Education

Queen of Rosary Primary School — Thika, Kenya

Graduated: 2015

SKILLS

Programming & Development:

HTML5, CSS3, JavaScript, PHP, Python, React, Node.js, React Native, RESTful APIs

Cloud Computing:

AWS, Google Cloud Platform, Microsoft Azure, Docker, Virtualization (VMware, Hyper-V)

Cybersecurity:

Network Security, Penetration Testing, Vulnerability Assessment, Data Encryption, Endpoint Protection, Firewall Configuration

AI & Automation Tools:

ChatGPT, OpenAI API, GitHub Copilot, TensorFlow, AI Chatbot Development, Workflow Automation

Database Management:

MySQL, PostgreSQL, SQL Optimization, Data Modeling, Secure Data Handling

Data Analytics & Visualization:

Python (Pandas, Matplotlib), Power BI, Google Data Studio, Business Intelligence Tools

UI/UX & Graphic Design:

Figma, Adobe XD, Adobe Illustrator, CorelDRAW, Responsive Design, User-Centered Design

Remote Collaboration & Project Management:

Agile/Scrum, Trello, Jira, Slack, Microsoft Teams, Notion, Zoom

PROJECTS

Data Analysis Project

Conducted data analysis on large public datasets using Python, Pandas, and Matplotlib, creating in-depth visualizations to support business intelligence efforts and drive data-based decision-making.

Mobile App Development Project

Developed a cross-platform mobile app using React Native, integrating RESTful APIs for real-time data updates and seamless user engagement. Conducted testing across various devices to ensure compatibility.

Portfolio Website

Designed and developed a personal portfolio website using HTML, CSS, and JavaScript to showcase project work, skills, and experience. Incorporated an interactive contact form to facilitate client engagement.

Network Security Audit

Conducted comprehensive vulnerability assessments on local and remote networks, identifying key security gaps and implementing tailored recommendations to mitigate potential cyber threats.

Corporate Branding and Marketing Campaign

Designed a suite of branded digital assets, including logos, infographics, and social media graphics for a regional startup. Boosted online engagement by 30% through visually appealing, consistent marketing materials.

Graphic Design Project

Created visually engaging digital assets for a national campaign, including flyers, brochures, and social media graphics. Collaborated with marketing teams to align visual content with strategic goals, enhancing brand recognition and user engagement.

E-commerce Platform Development

Created a secure, user-friendly e-commerce website for a local retailer, incorporating advanced search and filtering options, shopping cart integration, and payment gateway support. Developed back-end logic for smooth product management and order tracking.

AI Chatbot Project

Developed an automated customer support chatbot using the OpenAI API, enabling instant responses to client inquiries and product guidance. Integrated NLP features for natural interactions, reducing average response time by 50% and improving overall customer satisfaction.

KEY ACHIEVEMENTS

- Improved system performance by 36% through optimized backend processes and streamlined database operations.
- Reduced manual workflows by 40% via automation and system integration initiatives.
- Enhanced cybersecurity posture through regular vulnerability assessments and proactive firewall management.
- Led remote IT projects for global and local clients, delivering innovative and scalable solutions within set budgets and timelines.
- Designed engaging, responsive user interfaces that improved client satisfaction and reduced support inquiries by 25%.

CERTIFICATIONS

- **Software Engineering Certificate** – Moringa School, Nairobi, Kenya (2023)
- **Cisco Certified Network Associate (CCNA)** – Cisco Networking Academy, Online (2024)
- **AWS Certified Cloud Practitioner** – Amazon Web Services, Online (2024)
- **Google IT Support Professional Certificate** – Coursera, Online (2023)

PROFESSIONAL MEMBERSHIPS

- Member – **Google Developers Community Nairobi**
- Participant – **Moringa School Hackathons 2023**

ADDITIONAL INFORMATION

- **Date of Birth:** February 21, 2002
- **Marital Status:** Single
- **Nationality:** Kenyan
- **Languages:** Fluent in English and Kiswahili

PERSONAL INTERESTS

- Committed to community service, actively involved in local outreach programs.
 - Passionate about exploring the outdoors, hiking, and experiencing new cultures.
 - Avid music enthusiast with a penchant for discovering diverse genres.
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CORE COMPETENCIES

IT Strategy | Software Development | Cloud Infrastructure | Cybersecurity | AI Automation |
Systems Administration | Data Analytics | Network Management | Web & Mobile App
Development | Project Management | Technical Support | Database Optimization | UI/UX Design |
Agile Methodology

REFEREES

Provided upon request.