Jesse Macharia

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EDUCATION

Cardinal Wiseman Catholic School & Language College Potters Green Rd, Coventry CV2 2AJ

Awards/Honors: September 2015-September 2022

A-Levels

Chemistry - B
OCR & RSA Level 3 Cambridge Technical - Distinction
Economics - D

GCSE

Mathematics-5
Double Science - 66
EnglishLiterature-5
French-5
Cyber Security Level 3 Qualification
Geography-4
Re-4
Statistics-4

Courses/Qualifications Acquired

General Data Protection Regulation
Internal Auditing
ISO 9000
Microsoft Word / Outlook / Excel 2021
NIST Cyber Security Framework
COBIT Framework - Foundations of IT Governance

Awarded Qualification: {9 GCSE Qualification} {2 A-levels & 1 BTEC Certification} {6 IT Certification}

WORK EXPERIENCE

Coventry City Council Coventry CV1 2FJ *2022/07-2023/08 Security Architect*

➢ Collaborated with DevOps teams to design and implement secure AWS infrastructure, services, and applications.
➢ - Conducted regular security assessments and audits of AWS environments to identify and address potential vulnerabilities and risks.
➢ - Implemented and maintained security controls and compliance measures based on industry standards and regulatory requirements.
➢ - Key members of the incident response efforts, conduct root cause analysis, and recommend corrective actions to prevent future incidents.
➢ - Monitored AWS security alerts, events, and incidents, and responded promptly to mitigate security threats.
➢ - Developed and implemented security automation scripts and tools to streamline security tasks in the DevOps pipeline.
➢ - Participated in threat modeling exercises and risk assessments to proactively identify security weaknesses and prioritize remediation efforts.
➢ - Stay up-to-date with the latest security trends, tools, and technologies in the AWS ecosystem, and propose their adoption where appropriate.
➢ **Technical Expertise**
➢ Had hands-on experience with tools related to endpoint security, IAM, and privilege access management.
➢ Familiarity with tools such as:
  ○ Zscaler
  ○ Microsoft Defender
  ○ Sentinel
  ○ BeyondTrust
➢ • Demonstrated proficiency in DevSecOps practices, bridging the gap between security and development teams to ensure seamless integration of security and development processes.

- ➢ • Implemented automated testing and deployment processes, ensuring security is integrated into every stage of the software development lifecycle, reducing risk and improving overall product quality.

- ➢ • Designed and deployed scalable and secure cloud infrastructure using AWS services such as IAM, S3, Lambda, and CloudFormation, with a deep understanding of security and compliance in the cloud environment.

- ➢ • Developed innovative solutions that leverage Open Banking principles to improve customer experience and reduce risk, including APIs, data sharing, and customer consent management.

- ➢ • Gained experience working with Amazon Web Services (AWS) to design, deploy, and manage cloud-based applications that meet regulatory requirements and industry standards.

- ➢ • Collaborated effectively with development teams to foster a culture of security awareness and best practices as a DevSecOps practitioner.

- ➢ • Applied knowledge of banking operations and regulations to develop effective solutions that improve efficiency, reduce risk, and enhance customer experience in the banking sector.

- ➢ • Developed a solid foundation in the banking sector at Coventry City Council, with experience working with stakeholders to develop AWS-based solutions that meet regulatory requirements and industry standards.

- ➢ • Consistently demonstrated ability to adapt to new technologies, industries, and regulatory requirements throughout my career.

- ➢ • Confident in ability to bring value to any organization that seeks to leverage DevSecOps practices, cloud expertise, and Open Banking concepts to drive innovation and growth.

Restore Warehouse Coventry CV2 2SZ *2019/09-2020/03*
- Responsible for selecting items from warehouse shelves and preparing them for shipment.
- Played a critical role in ensuring that goods are delivered to customers on time and in good condition.
HTRC Site Cleaner Coventry CV7 9BF *2021/03-2021/09* - Clean the floors, walls, ceilings, equipment, bathrooms, tiles, using various cleaning equipment such as mops and vacuum cleaners. Inspect and repair heavy machinery or equipment, remove hazardous waste, and perform janitorial services in manufacturing facilities, factories, and warehouses.

LEADERSHIP EXPERIENCE & ACHIEVEMENTS

Wiseman FC Coventry CV2 2AJ *2018/09-2020/03 Team Captain*
● Main priority was to keep the team in formation, Boost team's Morale, Perform when it really matters & Remain Humble. Led My Team To Win The League In 2019.
Involve organizing regular meetings, coordinating workshops or training sessions, and fostering a community of like-minded individuals interested in cybersecurity on discord.

SKILLS & INTERESTS

Assets: Copywriting & Acquired Driving License, IT Qualys Vulnerability Management Certification,
Languages: English & Swahili
Interests: Produce Music Beats & Help Those With Mental Health Problems By Sending Out Letters Through The Post.
https://20macharia.wixsite.com/my-site-3 - Creation and design of my website: A tale of creativity, innovation, and meticulous attention to detail.
- Extensive research and planning: Considering the purpose, target audience, and overall aesthetic. - Seamless user experience: Strategically delving into user interface (UI) and user experience (UX) principles to captivate and engage visitors.
- Curated color palette: Evoking emotions and conveying the essence of my digital presence. - Typography selection: Fonts conveying elegance, readability, and uniqueness, resonating with the content they represent. - Functional and accessible design: Crafting a symphony of code, from HTML to CSS and JavaScript, to sculpt an interactive experience.
- Optimization for unparalleled performance: Meticulous file size reduction, code efficiency, and compression for swift content delivery.
- Continuous improvement: Utilizing feedback, user testing, analytics, and heatmaps to refine and enhance the user experience, surpassing expectations.