ELVIS K. KOECH

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Highly motivated recent graduate in Electrical and Electronics Engineering with a Cisco Networking certification, complemented by six months of valuable hands-on experience in software development and database design. Through this experience, I have honed my skills in creating efficient software solutions, as well as designing and optimizing robust databases. Networking and telecommunications ignite a profound passion within me, as I am fervently driven to explore their vast potential and leverage them for transformative impact. As a team player with excellent communication skills, I seamlessly integrate into collaborative environments, leveraging my technical prowess push boundaries for exceptional outcomes.

EXPERIENCE

FEBRUARY 2023 – CURRENTLY

EXELIENT TECHNOLOGIES

Full-stack Software Developer

- Developed robust and secure API endpoints using Spring Boot and Flask frameworks, ensuring high-performance and scalable applications.
- Successfully designed and implemented MySQL and Mongo DB databases, ensuring consistent versioning using liquibase.
- Created and built seamless front-end designs using Angular and React optimizing speed and enhancing user experience.
- Utilized DevOps practices, deploying applications to AWS and seamlessly integrating essential tools like Jenkins for automated deployment.
- Effectively collaborated in cross-functional teams, contributing to code reviews and actively participating in testing and documentation efforts.

Key Achievement:

- Designed and played a pivotal role in the development of a comprehensive examination system software, actively contributing to building the API's and securing the application as part of a collaborative team effort.

MAY 2022 – JULY 2022

Electrical Engineer Trainee.

Kenya Electricity Generating Company (KENGEN)

- Coordinated with senior electrical engineers to achieve hands-on experience on hydroelectric power generation plant and electricity supply.
- Carried out maintenance of 4.5MW generator and a 23MVA step-up and step-down transformers.
- Successfully carried out induction motor rewinding for the plant's drainage systems pumps, contributing to improved waste water management.

Key Achievement:

- Significantly contributing and actively participating in the annual maintenance of 4.5MegaWatts Generator and 23MVA transformers ensuring their optimal performance and reliability.

EDUCATION

2018 SEPTEMBER – 2023 MAY

BSC. ELECTRICAL AND ELECTRONICS ENGINEERING

UNIVERSITY OF NAIROBI

Telecommunications and Networking

Digital and Analog electronics and signals

Software Design and Development (C++, Python, Java)

Microwaves and Antennas

2019 SEPTEMBER- 2020 JANUARY

C & C++ PROGRAMMING

COMMON WEALTH SCHOLARSHIP UDEMY

C/C++ programming languages

Object Oriented Programming

2014 FEBRUARY – 2017 NOVEMBER

SECONDARY SCHOOL EDUCATION

MASENO SCHOOL

Grade   A-

Math   A

Physics   A

Chemistry   A

2003 January-2013 November

PRIMARY SCHOOL EDUCATION

ROSEVE SCHOOL

Grade   A

Math   A

English   A

SKILLS

- Problem Solving
- Networking
- Creative Thinking
- Team work
- Communication skills
- Negotiation skills
- Database design
- Software development
- Presentation skills

REFERENCES

- Eng. James K. Metto
  Chief Engineer KENGEN
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- Stanley K. Kiprotich
  Exelient Technologies
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