Victor Kipkorir

Address: P.O. BOX 5988-30100, Eldoret
Phone: +254745663745
Email: kipkorirbett69@gmail.com

Objective

I am a results-driven electrical engineer seeking a multifaceted and dynamic working environment. I am eager to contribute to and learn from a forward-thinking organisation, with the aim of personal growth, career advancement, and making meaningful contributions to the company's success.

Education

Bachelor of Electrical and Telecommunication Engineering, Telecommunications Major
Moi University, Kesses, Uasin Gishu
Duration: 2021 - 2025

Relevant Coursework:

- Software Engineering

- Hardware Development

- PCB Design

Skills

Technical Proficiency:

- Programming languages: Python, Java, Dart, JavaScript, Arduino

- Circuit design and simulation: Simulink, MATLAB, SolidWorks, KiCAD

Network and Cybersecurity:

- Network design tools: Cisco Packet Tracer, ENSP

- Network traffic analysis tools: Wireshark, NMAP

- Participation in CyberSecurity Hackathons organised by CAK and Huawei

- Active participant in the Huawei ICT Competition

IoT and Embedded Systems:

- Deployment with WiFi, Bluetooth, and GSM

- Embedded systems development and implementation

Problem-solving:

- Identifying and analysing problems, proposing effective solutions with attention to detail

Collaboration:

- Excellent interpersonal skills, working effectively in team environments
- Communicating complex technical concepts to non-technical stakeholders

Leadership:

- Leading small teams, coordinating activities, and delegating tasks to achieve project objectives

Additional Skills:

- Client/customer relations
- Proficient in data science concepts and machine learning (IBM course in progress)

Experience

Embedded Systems Course, TechTenum
March 2023 - December 2023

- Participated in an embedded systems course.
- Revamped electronic hardware coding and design skills.
- Acquired knowledge in time management and building hardware systems.
- Applied skills in marketing the TechTenum kit.

Telecommunication Lead, iTaTu (Innovators and Technologists Association of Tu)
Control System for World's First Geothermal Incubator, Eburu Mbaruk, Gilgil
1 Week Intense Period (August 2023)

- Led telecommunication aspects for the control system.
- Fast-tracked remote monitoring using GSM modules.
- Developed teamwork, coordination, and collaboration skills.

Team Lead and Development Coordinator, UNESCO Mobile Development Program
March 2023

- Led a team in developing the M-Hindi Application to improve agricultural processes for Maize farmers.

- Coordinated development activities and ensured timely completion of project milestones.
- Pitched the application to Mozilla Foundation and E4Impact Entrepreneurship Center, enhancing skills in presentation, networking, and solution building.

Team Lead, Moi University and UNESCO Mobile Development Program
Innovative Agricultural Solution for Maize Farmers

- Developed an innovative agricultural solution to improve the efficiency and profitability of Maize selling.
- Served as team lead, coordinating development activities and team efforts.

Software Engineer, Geecko LTD
May 2024 – September 2024

- **Role**: Junior Mobile Developer
- **Project**: Developed the *Syfepark Mobile App*, a seamless payment processor for parking utilizing Mpesa STK push to streamline the payment process.
- **Responsibilities**:
  - Designed and implemented a user-friendly UI for smooth user interactions.
  - Integrated APIs to support real-time payment processing.
  - Reduced the number of providers in the payment chain compared to traditional USSD-based systems.
  - Enhanced the app's functionality by supporting USSD and QR code for diverse payment options.
- **Technologies Used**: Flutter, Dart, RESTful APIs, Mpesa API, USSD integration.
- **Impact**:
  - Improved the efficiency and user experience of parking payments.
  - Facilitated easier access to payment solutions, reducing transaction time and increasing user satisfaction.

Projects

Geothermal Egg Incubator Control System (IoT Interface)

- Designed and implemented an IoT interface for a geothermal egg incubator control system.
- Enabled remote monitoring and control using GSM modules for efficient management of the incubation process.
- Date: September 2023

Fingerprint System with Geecko LTD

- Contributed to developing a fingerprint system, enhancing security and user authentication processes.

Smart Home Automation System

- Built a smart home automation system for a client, integrating various IoT devices for seamless home management.

Smart Meter Project

- Currently working on a smart meter project with GSM technology, open to collaboration for enhanced development.

M-Hindi Application Development

- Developed the M-Hindi Application during the UNESCO Mobile Development Workshop 2023.
- Pitched the application to Mozilla Foundation and E4Impact Entrepreneurship Center, enhancing skills in presentation, networking, and solution building.
- Achieved recognition among the top 21 innovative solutions nationwide out of 500 participants.

Geecko LTD Website Development
June 2024 – Present

- **Project Description**: Developed and deployed a corporate website for Geecko LTD, improving online visibility and client acquisition.
- **Technologies Used**: Django, HTML, CSS, Bootstrap.
- **Features**:
  - Dynamic data rendering for seamless updates and content management.
  - Detailed breakdown of the organization's works, team, and contact information.
  - Enhanced user experience and accessibility, providing potential clients with an easy way to understand Geecko's services.
- **Impact**:
  - Boosted online presence, making it easier for clients to find and engage with Geecko LTD.
  - Contributed to the growth of the client base through an improved digital interface.

Leadership and Extracurricular Activities

School Captain, Kericho High School
Kericho, 2018-2019

Organizing Secretary, Drama Club
Kericho High School, Kericho, 2017-2019

Chair, Students Council
Kericho High School, Kericho, 2016-2019

Participation in Leadership Roles
Active in various leadership roles from primary school to university, fostering strong
leadership and organisational skills.

References

Available on request