John Malek Garang

Software Engineer

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LinkedIn: John Malek

GitHub: John Malek

SUMMARY

I am a passionate and driven IT professional with a strong focus on developing applications that meet and exceed user expectations. With a keen interest in backend systems, databases and data analytics, I thrive in collaborative environments where I can both contribute and learn from others.

I am eager to leverage my technical skills, innovative mindset and dedication to contribute meaningfully to society, drive innovation and deliver impactful software solutions.

EDUCATIONAL BACKGROUND

1. May 2022 to June 2023
   ALX Africa
   Certificate in Software Engineering
2. January 2020 to April 2024
   Jomo Kenyatta University of Agriculture and Technology
   Bachelor of Science in Information Technology

SKILLS

- **Programming Languages**: Proficient in Java, PHP, Python, C, C++, JavaScript.
- **Web Development**: Proficient with HTML, CSS3, ReactJS and NodeJS.
- **Database Management**: Skilled in SQL, PostgreSQL database design, optimization and administration. Can also use MongoDB.
- **Version Control**: Proficient in Git for code versioning and collaboration.
- Software Development methodologies: Agile
- **Data analysis:** Pandas, NumPy
- **Communication**: Excellent verbal and written communication skills.

WORK EXPERIENCE

1. Field Officer/Instructor - Ujamaa Africa
   June 2018 to January 2020

Roles and Responsibilities
- Training school-age boys on Hero in Me Curriculum.
- Writing reports about adoption of the program.
- Conduct Randomized Control Trials (RCT) for research.
- Teach the program in any school assigned.

2. Equitel Salesperson - Equity Bank Kenya
September 2016 to March 2017
Roles and Responsibilities
- Sell Equitel lines to bank customers.
- Register customers to use Equitel lines.
- Troubleshoot lines that had problems.
- Answer customer questions.

3. Software Development Attachee - Eclectics International
May to July 2023
Roles and Responsibilities
- Building the backend of an application.
- Using Spring Security to implement Authentication and Authorization.
- Using Spring Data JPA to handle database operations.
- Building APIs to be used by frontend and mobile developers.
- File management: handling user-uploaded files and images.

CERTIFICATIONS

Stanford Medicine Department of Genetics

Fundamentals of Data Science in Precision Medicine and Cloud Computing

Languages, Frameworks and Topics: Python, R, Pandas, Cloud Computing, Epigenetics, Genomics

ALX Africa
Software Engineering (Backend and Frontend)
Languages and Frameworks: C, Python, SQL, Flask, JavaScript, TypeScript, Shell
IBM Skills Build
Build your own Chatbot
Languages and Frameworks: IBM Watson Studio

Udemy
Web Developer Bootcamp
Languages and Frameworks: HTML, CSS, JavaScript, React, Node, MongoDB, ExpressJS

REFERENCES

Available upon request.