Richard Miruka

Innovating Tech products for now and the future.

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Profile

Software Engineer with a love for both front-end and back-end development. Passionate about creating seamless digital experiences. Combining creativity and problem-solving skills, I strive to build intuitive solutions that make a positive impact on users.

Education

Nanodegree Program - Computer Software Engineering   Jan 2023 - Present
ALX Africa (Holberton School), Remote
Stack: NodeJS, Express.JS, TypeScript, Django & DevOps

Nanodegree Program - Computer Software Engineering   Feb 2023 - Aug 2023
Moringa School, Nairobi
Stack: Python - Flask, JavaScript - React

Postgraduate Certificate - Project Management   Sep 2022 - Dec 2023
European Business University of Luxembourg, Luxembourg
Certificate in Project Management

BSc. Land Resource Planning & Management   Sep 2015 - Nov 2019
Jomo Kenyatta University of Agriculture & Technology, Nairobi
Land Resource Planning and Management & EIA/EA.

Professional Experience

Apprenticeship   Sep 2023 - Present
iTalanta, Nairobi
- Develop small features from technical specifications in a well-structured way, following stipulated technical descriptions across UI, state, and CRUD + validation-based backend.
- Applying a well-structured feature-level design in modern architectures and guiding others on implementation strategies within my application domain.
- Develop and institutionalize reusable structures for common problems and Contribute to open-source Software Development

Freelance Software Engineer   Jan 2023 - Present
Upwork, Remote
Full Stack Development with TypeScript, React.JS, Node.JS, Express.JS, Python, Django, AWS Cloud and Serverless Framework.

Personal details

Website
github.com/RichardMiruka

LinkedIn
linkedin.com/in/richard-miruka-05083b147

Portfolio : https://richard-miruka-portfolio.vercel.app

Skills

Development: Python, JavaScript, Typescript; Frameworks: NodeJS, ReactJS, Django, FastAPI & Boost

DevOps: Deployment, Kubernetes, Docker, Docker-Compose, GitHub Actions, Digital Ocean, Azure, GCP, AWS, Microservices

Project Management: Software development life cycle, Documentation (Swagger, Class Diagrams, process flows, System Requirements), Github.

Database: MySQL, mongoDB, PostgreSQL, Azure SQL, Firebase, Superbase

Soft skills : Communication, teamwork, and problem-solving skills

Application Developer   Jul 2023 - Sep 2023
FIBONACCI SYSTEMS, Nairobi
System architecture design, Built the V1 and v2 Core API & Created and managed deployment pipelines

Service Reliability Engineer   Apr 2023 - May 2023
ALX Software Engineering Program., Remote
Designing and implementing a secure, distributed web infrastructure using Ubuntu 20.04 LTS, NGINX, HAproxy, MySQL, DataDog, and Firewall.

Environmental Consultant   Apr 2022 - Dec 2022
Real Plan Consultants, Nairobi
- Project management of master planning projects involving multi-disciplinary teams; Providing technical guidance, constructive support, and mentoring to team members.
- Coordinating EIAs and delivering high-quality EIA programs to agreed budgets and deadlines.
- Providing technical guidance, constructive support, and mentoring to team members

Achievements

JKUAT Students President(02/2018 - 04/2019)
Represented over 50,000 students in school management committees

Class representative (Software Engineering Class 2023 - Moringa School)

- Pioneered the innovation of Smart Soil Sampler, JKUAT (2019)
- Associate Chair JKUSA(2018), Associate Chair LRPM (2019)

Certificates

OPSWAT File Security Associate (OFSA)   Jan 2023

OPSWAT Introduction to Critical Infrastructure Protection (ICIP)   Jan 2023

Microsoft Learn Student Ambassador Certificate   Mar 2023

DevTown Full-stack certificate with NodeJS   May 2023

References

References available upon request.

Qualities

- Technical Skills
- Algorithmic and Data Structure Knowledge
- Problem-Solving and Analytical Thinking
- Agile and Scrum Methodologies
- Collaboration and Teamwork
- Adaptability and Learning Agility
- Attention to Detail and Quality Assurance
- Project Management and Leadership
- Time Management and Prioritization

Hobbies

- Open Source Contributions
- Participation in Hackathons
- Technology Blogging or Writing
- Networking and Tech Meetups
- Community Involvement and Teaching
- Algorithms and Competitive Programming
- Learning New Technologies

Languages

English

Kiswahili