FABRICE ISHIMWE

Software engineer

About Me

Software developer with over 4 years experience. Strong communication and problem-solving skills. Looking for position with highly regarded organization that values dedication and attention to detail.

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📍 Gasabo, Kigali city

Language

- English
- French (basic)
- Spanish (basic)
- Swahili
- Kinyarwanda(native)

Tech Skills

Java & Springboot, Python and ML

Javascript, Git and Github, Docker

C++, HTML & CSS, React Native

React and Next.js, Django & FastAPI

Soft Skills

Communication, Problem solving,

Critical thinking, Multitasking,

Attention to detail, Resilience,

Conflict resolution, Negotiation

Adaptability, Teamwork and Creativity

Experience

Software Engineer, CityPulse
Kigali - Rwanda
Dec 2023- Jan 2024

- Wrote and developed new and well-tested code for different software projects.
- Supported software code review, system integration and validation in line with company and regulatory requirements.
- Designed and implemented efficient database queries and updates.
- Managed data migrations and schema changes.
- Ensured data integrity and security.
- Optimized database performance to handle high traffic loads.
- Data Processing:
- Process and transform data from various sources (e.g., APIs, databases, files).
- Perform data analysis and generate reports.
- Implement data caching and other strategies to improve performance.

Backend Developer, IBN Technologies
Maputo-Mozambique
Mars 2019-Nov 2022

- Writing and Maintaining Server-Side Code:
- Develop and maintain APIs (Application Programming Interfaces) that enable communication between the frontend and backend.
- Implement robust and scalable backend systems using appropriate languages and frameworks (e.g., Node.js, Python, Java, Ruby on Rails, Go).
- Design and build database schemas (e.g., using SQL or NoSQL databases) to store and manage application data.
- Ensure code quality, maintainability, and performance through code reviews, testing, and refactoring.
- Translate business requirements into functional code.
- Implement complex business rules and algorithms.

Frontend Engineer, Wiruha
Kigali-Rwanda
Jan 2020-Sep 2021

- Demonstrated expertise in HTML5, CSS3, object-orientated JavaScript and large JavaScript applications.
- Proficient in JavaScript frameworks such as Angular, React, Ember and Backbone.
- Designed and implemented website interface for mobile, desktop and tablets.
- Write unit tests and integration tests to ensure the quality and reliability of frontend code.
- Debug and troubleshoot frontend issues efficiently.
- Use browser developer tools for debugging and performance analysis.
- Write clean, maintainable, and efficient JavaScript code using modern ES6+ features.
- Implement complex JavaScript logic and algorithms.
- Manage application state using techniques like Redux, Context API, or Vuex.
- Handle asynchronous operations (e.g., AJAX, API calls) effectively.

Certifications

Frontend Development Libraries

2024 RCA Project-Execution-Hackathon Participation

Skills

- API Design and Documentation:Design and document RESTful APIs with clear specifications.
- Ensure API security and versioning.
- Deployment and Maintenance:Deploy and maintain backend services on cloud platforms (e.g., AWS, Azure, GCP).
- Monitor application performance and troubleshoot issues.
- Implement and manage continuous integration and continuous delivery (CI/CD) pipelines.
- Collaboration:Collaborate with frontend developers, designers, and product managers to understand requirements and deliver solutions.
- Participate in code reviews and provide feedback.

REFERENCE

DR Papias NIYIGENA, RCA Principle
RCA Project Manager
Phone: 0788545000
Email: Info@rca.ac.rw

Kevin Brian, CEO
IBN Technologies CEO-Mozambique
Email: ibn.co.mz@gmail.com

Education

Rwanda Coding Academy
High School Diploma

Skills

- Programming Languages: Proficiency in one or more backend languages (e.g., Node.js, Python, Java, Ruby, Go).
- Databases: Experience with relational databases (e.g., MySQL, PostgreSQL, SQL Server) and/or NoSQL databases (e.g., MongoDB, Cassandra).
- API Development: Strong understanding of RESTful API design principles and best practices.
- Cloud Computing: Experience with cloud platforms (e.g., AWS, Azure, GCP) and their services.
- Data Structures and Algorithms: Solid understanding of data structures and algorithms.
- Version Control: Proficiency with Git and Git workflows.
- Communication and Collaboration: Excellent communication and collaboration skills.

Sancta Maria Karambo

Lower level
2019-2022

Skills

Computer Studies/ICT
- Understanding Computers: Learn about hardware, software, and how computers process information.
- Digital Logic: Basic binary systems and logic gates introduce the foundation of programming and computer operations.
- Basic Typing Skills: Proficiency in typing is necessary to code efficiently.
English Language
- Reading and Comprehension: Programming often involves reading documentation, which requires strong comprehension skills.
- Writing: Clear writing helps in documenting code and communicating ideas effectively.

Science Subjects
- Physics: Helps you understand the underlying principles of electronics and how computers work.
- Biology/Chemistry: Can provide a basis for fields like bioinformatics or chemical simulations.

Projects

Wiruha, CEO & Full-stack Developer
2023-current

Technologies

- Backend Technologies:
- Node.js, Python, Java: Server-side languages for building APIs to process and store video data.
- Databases: Databases like PostgreSQL, MySQL, or MongoDB to store metadata, events, and processed data.
- Frontend Technologies:
- Web Frameworks: React, Angular, or Vue.js for building user interfaces to display video feeds, manage data, and control camera settings.

CityPulse, Full-stack Developer
2024-current

Technologies

Hardware:
- Cameras:
  - IP Cameras: Network cameras that can stream live video and capture images. They offer various features like pan-tilt-zoom (PTZ), night vision, and motion detection.

Software:
- Video Analytics Software:
  - Object Detection and Tracking: Algorithms to identify and track objects in video streams (e.g.,
- Image Processing Libraries:
  - OpenCV: A powerful open-source library for computer vision tasks, including image processing,