KANANURA Abdoul Khaliq

Software Development Intern

👤 About

Passionate Software Engineer skilled in JavaScript, TypeScript, Next.js, NestJS, and Node.js. Experienced in building efficient data-driven systems and eager to apply 3D and automation concepts with Three.js to simplify real-world fabrication workflows.

👤 Contacts

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⚙️ skills

Programming Languages

C, C++, Java, Dart, JavaScript, Typescript

Frameworks:

Next.js, NestJS, Node.js

Frontend

React.js, Three.js, Tailwind CSS

Backend

REST & GraphQL APIs, MongoDB, PostgreSQL

DevOps & Version Control

Git, GitHub
AWS Basic, Docker

💼 Work Experience

Apr 2025- Oct 2025
AmaliTech, On site, Kigali City, Rwanda
Mobile Engineer Trainee

- Developed and deployed production-ready Flutter applications for both Android and iOS platforms, ensuring high performance and responsive UI.
- Collaborated with cross-functional teams to implement clean architecture (MVVM) and maintain scalable, maintainable codebases.
- Integrated RESTful APIs and Firebase services to deliver seamless user experiences and real-time functionality.

Feb 2025- May 2025
IshemaHub, Hybrid, Kigali City, Rwanda
Backend Engineer Intern

- Designed and implemented RESTful and GraphQL APIs using NestJS and Go for structured data access.
- Managed database schema design and ensured data accuracy across PostgreSQL collections.
- Automated data sync between backend services and frontend dashboards, improving data consistency.

Oct 2023- Jun 2025
Creativa Poeta, Remote, Kigali City, Rwanda
FullStack Developer

- Built Next.js and Node.js systems for user and transaction data dashboards.
- Implemented data validation and storage for clean, reliable datasets.

Nov 2022- Sep 2023
Andela, Remote, Kigali City, Rwanda
Software developer Intern

- Developed Amigos (e-commerce) and Pulse (EdTech rating) platforms, leading to successful onboarding of Andela as the first paying customer.
- Applied Agile practices, optimized performance, and contributed to documentation for deployment and maintenance.

Education

UNIVERSITY OF RWANDA (2021 -2025)

Bachelor of computer and software engineering

Notable Projects:
- **Smart Assistive System for Indoor Air Quality Regulation:** Developed an IOT-based system for real-time monitoring and automatic regulation of indoor air quality using sensors to track temperature, humidity, CO_2, and particulate matter. The system automates ventilation adjustments and visualizes sensor data, improving indoor comfort and safety through smart environmental control.

Achievements:
- Participated in the PicoCTF Africa competition organized by Carnegie Mellon University (CMU), securing the 1st position at the national level (Rwanda) with my team, showcasing expertise in cybersecurity and problem-solving under pressure.

ESSI-NYAMIRAMBO (2014 -2019)

High school diploma in Mathematics Computer science and Economics

Extracurricular Activities:
- Founded the Computer Science Club, fostering a collaborative environment for students to explore and innovate in the field of computer science.
- Led various tech-related workshops and projects, inspiring peers to develop their programming and technical skills.

Reference

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BERNARD DUSHIMIMANA
Engineering Manager, Andela