

Ebenezer Nzombe

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HARD SKILLS

- Programming Languages: C++/C, Java, Python, JavaScript, Ocaml
- Web Development: React.js, HTML5, CSS (Bootstrap, tailwind), Node.js, Express.js, Django (Python)
- App Development: Android and Web Applications
- Machine Learning & Data Science: Jupyter Notebook, TensorFlow, NumPy, Pandas, Matplotlib
- Database Management: MongoDB, SQL
- Version Control: Git
- Development Tools: Visual Studio Code (VS Code), Vim

SOFT SKILLS

- effective communication, active listening, willingness to learn, critical thinking, open-mindedness, adaptability, time management, problem solving, multilingual (English, French)

PROJECTS

Advanced Task Management App (Node.js, Express.js, MongoDB)

- Built a **full-stack to-do app** with a **scalable backend**, handling **100,000+ tasks efficiently**.
- Developed a **secure authentication system** using **JWT & OAuth 2.0**, ensuring **99.9% uptime**.
- Optimized **MongoDB queries**, reducing **data retrieval time by 50%**.
- Improved **UI performance** by implementing **lazy loading**, reducing page load time by **40%**.

Secure Authentication System (Node.js, JWT, Redis, MongoDB)

- Designed a **high-performance authentication service** handling **1M+ requests/day**.
- Implemented **role-based access control (RBAC)** and **hashed credentials**, improving security compliance.
- Integrated **Redis caching**, reducing authentication response time by **60%**.
- Deployed with **Docker & Kubernetes**, ensuring **99.99% availability**.

E-Commerce Marketplace (React.js, Node.js, MongoDB)

- Developed a **scalable marketplace** with support for **10M+ product listings**.
- Optimized **search functionality** with **Elasticsearch**, improving query speed by **80%**.
- Integrated **secure payment gateways** (Stripe & PayPal), processing **500K+ transactions/month**.
- Used **Next.js server-side rendering (SSR)** to improve page load time by **55%**.

Heart Disease Prediction Model (TensorFlow, Python, Kubernetes)

- Developed a **machine learning model** with **87% accuracy** using medical datasets.
- Deployed the model on **Kubernetes**, ensuring scalability for **millions of patient records**.
- Optimized **training time** by **30%** through **automated hyperparameter tuning**.
- Reduced **inference time** by **45%** using **TensorFlow Lite**.

EDUCATION

University of Sciences and Technology Houari Boumediène | | Algiers, Algeria

-06/2027

B.S. Computer Science, Certificate: Mathematics

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Machine Organization and Programming, Artificial Intelligence, Mobile App Development, Software Engineering, User Experience/User Interfaces, Object-Oriented Programming