

FULL-STACK SOFTWARE
ENGINEER

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PROFILE

Computer science student (Africa Vision University, GPA 3.8/4.0) with hands-on full-stack development experience in production environments. Currently a software engineer on Atihmam ATS — a live applicant tracking system built with FastAPI, React, and PostgreSQL/Supabase — where I designed a multi-criteria scoring engine and resolved end-to-end pipeline inconsistencies. Author of an automated CV submission and classification system (Java/Spring Boot, MySQL) directly applicable to banking infrastructure. Proficient in Git/GitHub, Agile methodologies, and complex technical problem-solving, with a strong foundation in Java/SQL and actively expanding skills in Laravel and containerization.

EXPERIENCE

Software Engineer Intern — Atihmam ATS
Atihmam Conseils

Ongoing

- Designed and iterated a multi-dimensional CV scoring engine (8 weighted criteria across 32 French-language job domains) with a TF-IDF fallback mechanism when the semantic model is unavailable.
- Unified two divergent ingestion pipelines (manual upload and Google Drive sync), eliminating scoring inconsistencies between candidates based on submission channel.
- Diagnosed and fixed a schema defect preventing recruiter feedback from being factored into score recalculations, with validation and auto-repair of stale weights.
- Redesigned the authentication flow (JWT, Zustand) and password reset process via Supabase Auth.

Software Engineer & Team Lead — University Cafeteria Platform

Apr - Jun 2025

Africa Vision University

- Delivered a responsive web ordering platform with real-time delivery tracking, improving the ordering experience for hundreds of daily users.
- Led a cross-functional team of 4 developers from scoping to deployment using Agile methodology — sprint planning, task delegation, and code reviews.

Embedded Systems Engineer & Team Lead — Autonomous Rover

Apr - Jun 2025

Africa Vision University

- Achieved 90% obstacle-avoidance accuracy in indoor trials by designing C++ pathfinding algorithms combined with multi-sensor fusion (visual, tactile, audio).
- Reduced prototyping costs by approximately 60% through a low-cost chassis design that maintained full functional performance.

TECHNICAL PROJECTS

CV-Submission

Java 17 · Spring Boot 3.2 · React 18 · MySQL 8 · Cloudinary

Multipart REST API with keyword-weighted auto-classification into 5 job categories (including Finance/Banking) and an admin dashboard secured with Spring Security.

Atihmam ATS

FastAPI · React/Vite · PostgreSQL · Celery/Redis · Google Drive API

Live applicant tracking platform in production. Frontend: TanStack Query, Zustand, Tailwind CSS. Deployed on Render (backend) and Vercel (frontend).

Kanban Web App

React · Node.js/Express · Supabase (PostgreSQL + Auth)

Drag-and-drop Kanban board with user authentication and optimistic UI updates, deployed in production on Vercel and Render.

Async Web Scraper Pipeline

Python · aiohttp · BeautifulSoup4 · Pandas · SQLAlchemy async

Concurrent pipeline combining async I/O (aiohttp) with CPU-bound parsing (ProcessPoolExecutor), featuring SQLAlchemy upsert logic to prevent duplicate records.

Stock Market Prediction

Python · Scikit-Learn · Pandas

ML model predicting stock price movements from historical data

Yango Fleet Analysis

Python · Pandas · Matplotlib · Seaborn · Jupyter

using feature engineering and ensemble classification techniques.

Comparative analysis of 22 vehicles using a composite multi-criteria score (fuel consumption, profitability, CO₂ emissions). 9 analytical visualizations produced for decision-makers.

SKILLS

LANGUAGES Java, Python, JavaScript, C++, C#, PHP, SQL, HTML/CSS, Dart

FRAMEWORKS Spring Boot, React, React Native, FastAPI, Flask, Node.js/Express, Flutter, .NET/ASP.NET

ML / DATA PyTorch, TensorFlow, Scikit-Learn, Pandas, NumPy, Power BI

DATABASES MySQL, PostgreSQL, MongoDB, SQLite, Firebase, Supabase

TOOLS Git/GitHub, Docker (foundational), VS Code, PyCharm, Vercel, Render, Jupyter

LEARNING Laravel, Kubernetes, Argo CD — solid Java/PHP backend architecture foundation already in place

EDUCATION

Bachelor of Science in Computer Science
Africa Vision University, Abidjan Cocody

Sep 2024 - Present

GPA: 3.8 / 4.0

🏆 Best First-Year Student Award — Africa Vision University & Ottawa University, 2025.

Recognized for outstanding academic performance among all students in the Computer Technology Department.


CERTIFICATIONS

Machine Learning with Python (v7) freeCodeCamp

JavaScript Algorithms & Data Structures freeCodeCamp, Aug 2025

Scientific Computing with Python (v7) freeCodeCamp

Certified AI Foundations Associate Oracle University, Aug 2025



Data Analysis with Python (Pandas) [LinkedIn](#)