



Vivens Byiringiro

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PROFESSIONAL SUMMARY

Senior Full Stack & AI Engineer with 6+ years of experience building scalable applications, intelligent systems, and high-performance backend services. Expert in TypeScript, Python, React, Django, and Transformers. Proven success delivering real-world AI projects like phishing detection tools, NLP-powered automations, and trading bots. I bring a strong foundation in software engineering, DevOps, and machine learning — with a passion for clean code, smart systems, and real results.

PORTFOLIO

- https://vivensb.vercel.app
- https://github.com/VivensB

CORE TECHNICAL SKILLS

- Languages & Frameworks: TypeScript, JavaScript, Python, PHP (Laravel/Core), Node.js, FastAPI, Express.js, Django, DRF, React, Next.js, Vue.js, Nuxt.js
- Databases: PostgreSQL, MySQL, MongoDB, Firebase, Supabase, TimescaleDB
- AI / ML / Data: HuggingFace Transformers, DistilBERT, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, NLP Pipelines, Web Scraping, Data Labeling
- DevOps, Infra & OS: Linux (Arch/Debian/Ubuntu), Bash & Shell Scripting, Docker, Kubernetes, GitHub Actions, CI/CD, Systemd, Cron, NVIDIA/CUDA
- Cloud & Deployment: AWS, GCP, Vercel, Heroku, Netlify, Firebase, DigitalOcean
- Tools & Testing: REST APIs, GraphQL, WebSockets, Redis, Postman, Jupyter, Jest, Mocha, Vitest, Git version control
- RESTful apis development
- Microservices architecture
- Security best practices

PROFESSIONAL EXPERIENCE

FULL STACK DEVELOPER 11/2024 to CURRENT

SchoolHub | Kigali, Rwanda

- Built AI-integrated APIs using FastAPI, Django, and Prisma ORM
- Designed frontend interfaces with Vue.js and Tailwind CSS
- Scaled backend modules for 10K+ users with auth, i18n, and role-based access

SENIOR FULL STACK DEVELOPER 01/2022 to 01/2024

ENCORE Investments Ltd | Rwanda

- Led Python + React development of intelligent reporting dashboards
- Integrated REST APIs with financial datasets for auto insights
- Cut analyst workload by 50% via backend automation

WEB ADMINISTRATOR 01/2022 to 01/2024

ikanisa.com / assign.com | Malta

- Automated data pipelines with Python scripts across 100K+ records
- Maintained CMS, resolved high-priority backend and UI issues

FRONTEND DEVELOPER 01/2021 to 01/2022

AFR Rwanda / SmartClass | Rwanda

- Built modular education platforms using Vue.js and React
- Improved UX and mobile speed performance by over 25%

LANGUAGES

English (Fluent): Kinyarwanda (Native):
Swahili (Intermediate): French (Intermediate):

EDUCATION

Bachelor of Science | Computer Science 10/2023
University of Rwanda

OPEN SOURCE & SIDE WORK

- AI-Based Linux Distro (In Progress)
- Co-founding a Linux distribution tailored for developers and AI engineers.
- Optimized for lightweight environments, embedded inference, and GPU acceleration.

PERSONAL TOOLS

Custom-built utilities for data labeling, automation, trading analysis, and scripting.

WHY YOU SHOULD HIRE ME

- AI Project Ready – Built and deployed real ML/NLP systems
- Full Stack Mastery – From React UIs to Python/Node backends
- Quantitative Mindset – Trading bots, pipelines, dashboards
- System-Level Thinking – Linux power user, bash automator
- Independent & Startup-Ready – Can own projects end-to-end

AI / DATA PROJECTS

Phishing Detection with DistilBERT

- Fine-tuned DistilBERT on 31.8K+ emails with 92%+ scam detection precision
- Deployed real-time scan system using FastAPI + BeautifulSoup

Bybit Perpetual Futures Trading Bot (Python)

- Built automated bot trading perpetual futures using price action + SMC
- Connected via Bybit REST/WebSocket API
- V2 in progress with RL, CNN, and LSTM for dynamic entries

Jarvis AI Prototypes

- Engineered task automation with Python micro-agents
- Integrated OpenAI APIs for early NLP workflows

Data Cleaning & Labeling Tools

- Structured raw data with Pandas, Regex, and automation
- Built pipelines for QA on web-scraped and labeled datasets