

Yassine Issoufou

Backend Developer

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Education

CS general studies, *Macomb Community College* 2021 – 2022

Professional Experience

Co-Founder & CTO, *FlowtheoryAI*  01/2025 – present

Architected and secured backend and automation systems for client applications, implementing authentication, authorization, and infrastructure security controls across cloud deployments.

- Designed secure API and authentication architectures (JWT, RBAC)
- Implemented CI/CD pipelines with secure secrets and deployment controls
- Assessed infrastructure risks and hardened production environments
- Integrated third-party services with secure credential management
- Led technical architecture decisions for scalable backend systems

Full Stack Developer, *CtrlF2*  2023 – 2025

Established secure development and deployment infrastructure, implementing version control governance, CI/CD security practices, and scalable backend architecture for startup software delivery.

- Implemented secure GitHub workflows and access controls
- Designed backend architecture for scalable web systems
- Led engineering team in system design and implementation
- Established deployment pipelines and environment isolation
- Reviewed application architecture for reliability and security risks

Skills

Programming: Python, Javascript

Databases: PostgreSQL, MySQL, MongoDB, Redis

Frameworks/Libraries: Django/DRF, FastAPI, React

Deployment: Docker, Nginx, Github Actions

Security: Application Security, Secure System Architecture, Secure API Design, Authentication & Authorization (JWT, RBAC)

Projects

Flow Theory AI [↗](#), *Client Portal*

Built a secure client collaboration portal for managing projects, tasks, and communication between organizations and internal staff. Designed and implemented a Django REST backend with invitation-based authentication, role-based access control, and multi-organization support. Developed a React + Vite frontend with real-time messaging and notifications powered by Supabase Realtime, including unread message tracking and read receipts. Integrated email workflows for onboarding, task notifications, and account setup, while enforcing security through Row Level Security (RLS) policies and production-ready CI/CD deployment.

MusiquePeulh [↗](#), *Music Streaming*

Designed and developed a full-stack music streaming web application celebrating Fulani and African music culture. Implemented a modern, scalable architecture with secure jwt authentication, s3 compatible object storage, and a responsive, Spotify-style player.

CodifyLive [↗](#), *Collaboration platform*

Built the backend for a real-time collaboration platform using FastAPI and Supabase. I used Supabase's real-time engine and PostgreSQL to handle instant messaging, typing indicators, and a friendship system with live online status. Also designed the data structure to support features like WebRTC for audio/video calls, a collaborative in-browser code editor, and a system for managing both local and uploaded files.

Autoblue [↗](#), *Open-source post scheduler*

Designed to automate posts on Bluesky. The frontend is built entirely with vanilla technologies, while the backend uses Python, PostgreSQL, Redis, and Celery for task queuing. The application is containerized with Docker and deployed to a DigitalOcean VPS using GitHub Actions.

drf-boilerplate [↗](#), *DRF Production ready template*

Developed secure backend template implementing JWT authentication, user verification, password reset workflows, and production-ready security configurations.