

# Jean-Eudes ASSOGBA

**AI Engineer | Full-Stack Developer (React, Django, Python, TypeScript, Cloud, LLMs)**

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**Portfolio:** <https://jeaneudes-dev.github.io/portfolios/>

**GitHub:** <https://github.com/JeanEudes-dev>

## Professional Summary

AI Engineer & Full-Stack Developer specializing in building scalable, production-ready web applications that merge modern full-stack engineering with advanced AI integrations. Proven record designing, integrating, and deploying end-to-end AI systems (GPT-4, Gemini, Stability AI, Pinecone, Supabase) into production at scale. Strong foundation in React, Django, TypeScript, and cloud infrastructure (AWS, GCP, Render).

## Education

**RAUF DENKTAS UNIVERSITY** — BSc in Software Engineering — Feb 2026 — TRNC, Lefkosa • CGPA: 4.0/4.0

## Work Experience

**BrollyHub — Founder & Lead Engineer** (02/2024 — Present)

*Led architecture and development of AI-powered expert marketplace platform*

- Architected full-stack platform serving 500+ users with React TypeScript frontend and Django backend
- Built autonomous AI agent (Brolly AI) capable of frontend navigation, backend function execution, and platform automation
- Developed real-time WebSocket communication system with instant notifications and integrated messaging
- Created comprehensive calendar management and file shelf system with seamless user experience
- Designed JWT authentication, session management, and complex database schema for multi-user workflows

## **RenoSmarter.ai — AI Engineer (02/2024 — 08/2024)**

*Complete rebuild of RenoSmarter.AI platform using modern full-stack architecture*

- Redesigned legacy Voiceflow system into production Django REST API + React TypeScript platform
- Integrated multiple AI services: GPT-4o, Gemini AI, Stability AI, and custom cost estimation algorithms
- Implemented 8-stage renovation workflow with zip code-based pricing, achieving 81% accuracy improvement
- Built responsive UI with Tailwind CSS, Zustand state management, and comprehensive error handling
- Deployed on Render with Pinecone, Supabase, Cloudinary integration and 40% completion rate improvement

## **Frontend Developer & Web Architect — Rauf Denktas University (06/2023 — Present)**

*Staff position developing university digital infrastructure*

- Leading design and development of new university website and digital presence
- Built Club Management System adopted by 10+ clubs serving 2,000+ students
- Developed automated event scheduling and announcement system, increasing engagement by 50%

## **Freelance Full-Stack Developer (01/2021 — Present)**

*Independent contractor delivering custom web solutions for diverse clients*

- Delivered 20+ production websites and web applications using React, Next.js, and Django
- Built e-commerce platforms and dashboards resulting in 75% average sales increases for clients
- Migrated legacy systems to modern stacks, improving performance by 60% on average
- Developed custom CMS solutions with SEO optimization and responsive design

## **Projects**

### **BrollyHub — AI Expert Marketplace Platform**

- **Live:** <https://www.brollyhub.com/> | **Platform:** <https://platform.brollyhub.com/>
- Full-stack marketplace serving 500+ users with React TypeScript, Django REST API, and PostgreSQL
- Architected autonomous AI agent (Brolly AI) for platform navigation, backend function execution, and workflow automation
- Built real-time WebSocket communication, integrated calendar system, and comprehensive file management (shelf)
- Implemented JWT authentication, email automation, and complex multi-user session management

### **RenoSmarter.AI — AI-Powered Home Renovation Platform**

- **Tech Stack:** Django REST API + React TypeScript, deployed on Render
- Redesigned legacy Voiceflow system into production-grade 8-stage renovation workflow platform
- Integrated GPT-4o, Gemini AI, Stability AI for style discovery, cost estimation, and kitchen visualization
- Built with Pinecone vector DB, Supabase, Cloudinary, achieving 81% pricing accuracy and 40% completion rate improvement
- Implemented zip code-based pricing algorithms and comprehensive user session tracking

### Aveem University Management System

- **Live:** <https://sys.aveemuni.com/> (Private repository)
- Enterprise-grade academic ERP built with React, Django, and PostgreSQL, hosted on AWS EC2
- Comprehensive university management covering finance, grading, student enrollment, and notification systems
- Serves 2,000+ users with role-based access control, automated workflows, and real-time data synchronization
- Architected scalable database schema handling academic records, financial transactions, and administrative processes

### Dynamiqtec — Technical Blog & Portfolio

- **Live:** <https://dynamiqtec.com/>
- Multilingual technical blog with 50+ articles on AI, modern web development, and startup insights
- Built with Next.js and MDX, featuring automated translation using Gemma API integration
- Covers advanced topics: AI workflows, React patterns, full-stack architecture, and industry analysis

### Bookify — AI Book Recommendation Engine

- **Live:** <https://jeaneudes-dev.github.io/Bookify/> | **GitHub:** <https://github.com/JeanEudes-dev/Bookify>
- React + Django platform with 10,000+ book database and intelligent recommendation algorithms
- Real-time search functionality with user preference learning, improving retention by 25%

### SentiFeel — GPT-4 Sentiment Analysis Platform

- **Live:** <https://jeaneudes-dev.github.io/sentifeel/> | **GitHub:** <https://github.com/JeanEudes-dev/SentiFeel>
- React frontend with GPT-4 integration achieving 90% accuracy on 5,000+ text classifications
- Real-time sentiment analysis with intuitive UI and comprehensive result visualization

## Technical Skills

**Programming Languages:** JavaScript, TypeScript, Python, HTML5, CSS3

**Frontend Development:** React, Next.js, TypeScript, Tailwind CSS, Responsive Web Design, Progressive Web Apps (PWA)

**Backend Development:** Django, Django REST Framework, Node.js, Express.js, RESTful API Development, JWT Authentication

**AI & Machine Learning:** GPT-4, OpenAI API, Google Gemini, LangChain, Prompt Engineering, AI Integration, Computer Vision

**Databases & Cloud:** PostgreSQL, MySQL, Supabase, Pinecone (Vector DB), AWS (EC2, S3), Render, Vercel

**Development Tools & Practices:** Git, GitHub, Docker, CI/CD Pipelines, Agile Development, Linux, VS Code, API Testing

**Additional Technologies:** WebSocket (Real-time Communication), Zustand (State Management), Framer Motion, Cloudinary

## Soft Skills

- **Remote Collaboration** — 2+ years managing distributed teams and cross-functional partnerships
- **Technical Leadership** — Mentored 500+ students, led architecture decisions for production systems
- **Client Communication** — 4+ years of direct client interaction through freelance projects
- **Problem-Solving** — Proven track record optimizing systems (55% performance improvement, 81% accuracy gains)
- **Self-Management** — Successfully balanced multiple concurrent projects while maintaining 4.0 academic performance
- **Agile Development** — Experience with sprint planning, code reviews, and iterative delivery cycles

## Certifications & Achievements

**AI Engineer Certificate (No. 63153054)** — 2025

**IBM Full-Stack Developer Professional Certificate** — Coursera (2024) *100+ hours of React, Django, Docker, and CI/CD pipeline projects*

**Academic Excellence:** *Perfect 4.0 CGPA in Software Engineering (Ongoing)*