

PASCAL AMALIRI

Software Engineer

CONTACT

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EDUCATION

2023 - 2025

ALX

- Certificate in Software Engineering

SKILLS

- Languages: JavaScript, Python, PHP
- Backend: Node.js, Nest JS, Express.js, Flask, REST APIs
- Frontend: React.js, Next.js, HTML, CSS, Tailwind CSS
- Databases: PostgreSQL, MongoDB, MySQL, Firebase
- Tools: Redis, Git, GitHub, CI/CD
- Concepts: Offline-first systems, API design, idempotency, caching, distributed systems

CERTIFICATIONS

- Meta Front-End Developer Professional Certificate (2024)
- The Ultimate React Course (2023 - 2024)
- Complete Web Development Course - Udemy (2022 - 2023)

PROFILE SUMMARY

Fullstack Engineer with a strong focus on backend systems and distributed architecture. Experienced in building resilient, production-ready applications using Node.js, PostgreSQL, and Redis. Recently built Syncra, an offline-first sync engine handling retries, idempotency, and conflict resolution in unreliable network environments. Comfortable working in remote, async teams and building systems that prioritize reliability, scalability, and performance.

WORK EXPERIENCE

Outside Hospitality

Nov 2025 - Present

Software Engineer - Backend

- Developed and maintained backend services using Node.js and Nest JS
- Designed database schemas and optimized queries for performance
- Implemented API endpoints supporting real-time application features
- Improved system reliability through structured error handling and testing

Encounter Inc. - TripHoppa

Sept 2024 - Feb 2025

Software Developer

- Designed and implemented key web components, improving efficiency and usability.
- Worked closely with cross-functional teams to enhance platform functionality.
- Interested real-time data updates, improving user experience and engagement.

PROJECTS

Syncra — Offline-First Sync Engine

github.com/PascalAmah/syncra

- Offline-first architecture with local queue + auto sync
- Handles retries, idempotency, and conflict resolution
- Built with PostgreSQL + Redis for consistency

Tech: NestJS, PostgreSQL, Redis

FoodNeural (AI-Powered Food Impact Analyzer)

Stack - Flask, React, pandas, scikit-learn, Transformers

- Built a web app analyzing environmental impact of food using AI
- Applied ML models to assess emissions, water usage, and land impact
- Enabled users to make more sustainable dietary decisions