Full Stack Developer

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Certified Application Designer-Developer, trained through an apprenticeship program, with hands-on experience in designing, developing, and maintaining web applications. My self-taught background, complemented by structured and professional training, has allowed me to build solid skills, deepen them, and apply them in professional environments, notably with React.

Technical Skills

Languages	TypeScript/JavaScript
Frontend	React, Next.js, Vite, state management (Zustand), TanStack (Query, Start, Router, Table), Apollo Client, design systems (Styled Components, Tailwind), accessibility
Backend	NestJS, GraphQL (Apollo Server, TypeGraphQL), TypeORM, PostgreSQL, MongoDB, Backend as a Service (Firebase)
DevOps	Docker, CI/CD (GitHub Actions), nginx, CapRover
Tools	Git, testing tools (Jest, Vitest, Bruno, Postman), Figma, Claude
Project Management	Kanban, Scrum, Agile methodologies
Spoken Languages	French (native), English (C1)

Experience

Full Stack Developer November 2025 – Present
Likewatt | Software Publisher | Villeurbanne

- React, Tailwind, TanStack, Zustand, NestJS, MongoDB, Docker
- Migration of the legacy application (React class components) to React 18 + TanStack Router/Query – load times cut by half
- Development of new features for the software
- Software maintenance
- UI mockup design and design integration

Apprentice Full Stack Developer September 2024 – November 2025
Likewatt | Software Publisher | Villeurbanne

- React, Styled Components, NestJS, Docker, Firebase
- Progressive onboarding into the existing codebase and understanding of the software architecture
- Deepened React and Styled Components skills by improving existing features and developing new ones
- Participation in team rituals (meetings, technical syncs) and contribution to task organisation and tracking
- First hands-on experience with NestJS and the backend ecosystem in a professional environment
- Introduction to best practices, refactoring and improvement of existing code, code reviews

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Education

Application Designer-Developer September 2024 – November 2025
RNCP Title (Level 6) – Application Designer-Developer
Wild Code School | Apprenticeship

Focus: Design and development of secure applications, from requirements analysis to production deployment: layered architecture, databases, front/back development, testing, and DevOps practices. Skills validated by the Application Designer-Developer certificate.

Web Integrator July 2023 – April 2024
RNCP Title (Level 5) – Web Developer Integrator
OpenClassrooms | Online

Focus: Building responsive web interfaces, integrating mockups and communicating with the backend, with an emphasis on performance, maintainability, and project organisation.

Projects

Nuit d'Encre | Personal project 2024 – 2026 · In production
Repository: github.com/AlexDDevv/Nuit-d-Encre
Demo: nuitdencre.fr

Solo design, development and production deployment of a social online library platform (personal library, reviews, activity feed, gamification), end-to-end typed from the database to deployment. pnpm monorepo, nearly 1,000 commits over two years.

Frontend: React 19 + strict TypeScript (Vite), React Router 7 (15 lazy-loaded routes with skeletons, role-based guards, manual vendor chunk splitting), Apollo Client (hybrid cache strategy, data fetching encapsulated in per-domain hooks), React Hook Form, Tailwind CSS 4 + Radix UI.

Backend: GraphQL API with Apollo Server 4 + TypeGraphQL (18 resolvers, 13 TypeORM entities), PostgreSQL 15 (versioned migrations, UUID primary keys, business rules enforced at database level), per-request DataLoaders to eliminate N+1 queries. Security: JWT in an HTTP-only SameSite=Strict cookie, Argon2, Google OAuth, two-layer validation, rate limiting, server-side signed Cloudinary uploads.

Quality & DevOps: tests focused on critical logic (20 Jest files: auth, authorisation, XP, GDPR; 7 Vitest files), zero-warning ESLint. GitHub Actions CI with two parallel jobs (lint, typecheck, tests, build) and a protected master branch. Multi-stage Docker images, production on CapRover (PostgreSQL, Node API, nginx frontend) with a staging environment.

Key features:

- Hybrid book search (internal database + Google Books + Open Library queried in parallel, ISBN-13 deduplication), import via ISBN preview page and automatic author record creation
- Gamification: transactional, idempotent XP attribution (each action credited only once per target, enforced by a PostgreSQL unique index), levels and tiered unlockable titles
- Social layer: follows between readers, activity feed, reviews, votes, comments and recommendations
- GDPR compliance: privacy settings, personal data export and account deletion
- Admin back-office (7 tabs) with an analytics dashboard