

Damien Demontis

Full Stack Developer

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PROFESSIONAL SUMMARY

Full-stack developer with **4+ years** of experience shipping web and mobile products in React/React Native and Node.js. Experienced in building and deploying AI-driven systems including computer vision applications (PyTorch, OpenCV) and GPT-based assistants. Creator of an AI-enhanced job discovery platform integrating salary intelligence and recommendation models. Skilled across frontend, backend, CI/CD, and cloud infrastructure (GCP, Firebase). Focused on fast iteration, sustainable design, and user impact.

EXPERIENCE

EPITECH

Pedagogical Mentor (Teaching Assistant) - MSc Curriculum

Nancy, France

Mar 2025 - Present

- Mentored MSc students on advanced software engineering topics (web development, DevOps, and best practices).
- Built a cloud-based facial recognition attendance platform using Firestore, PyQt6, OpenCV, and PyTorch.
- Gave talks on cybersecurity, AI, and the history of games; created engaging content to motivate students.
- Technologies:** Docker, Kubernetes, Jenkins, Nuxt, Pinia, Deno, Firestore, PyQt6, OpenCV, PyTorch.

LeonArt

Technical Lead & Project Manager

Nancy, France

Apr 2023 - Mar 2025

- Architected and developed scalable backend systems using Node.js, TypeScript, and Express; implemented secure authentication and payment processing with Stripe.
- Designed and maintained REST APIs and webhook flows for real-time events, supporting marketplace features and social interactions.
- Led a cross-functional team; owned database design (MongoDB), cloud infrastructure (Google Cloud Platform), and deployments with Docker and Kubernetes.
- Technologies:** Node.js, TypeScript, Express, MongoDB, Stripe, React Native, Docker, Kubernetes, Google Cloud Platform (GCP), CI/CD.

+Simple

Web Developer Intern

Nancy, France

Apr 2023 - Aug 2023

- Migrated a monolithic Django application to a Nuxt front end with Django backend; cut page load times by 50% and increased test coverage by 30%.
- Improved scalability and maintainability using microservices principles; strengthened quality with unit, integration, and E2E tests and CI pipelines.
- Technologies:** Nuxt.js, Vue.js, Pinia, Django, PostgreSQL, GitLab CI/CD, Testing (unit, integration, E2E).

EPITECH

Regional Assistant (Academic Program Assistant) - PGE & MSc

Nancy, France

Sep 2021 - Mar 2025

- Mentored students in fundamental programming (C, C++, SFML, design patterns).
- Introduced containerization with Docker and web development basics; contributed to a dynamic learning environment.
- Recognized as a top-performing teaching assistant and offered the role for three consecutive years.
- Technologies:** C, C++, SFML, Docker, Linux.

ACORIS Mutuelles

Web Developer Intern

Nancy, France

Jul 2021 - Dec 2021

- Developed front-end solutions using WordPress and PHP; created custom themes and plugins to enhance UX and functionality.
- Designed and maintained database structures in MySQL, ensuring data integrity and efficient queries for internal systems.
- Collaborated with cross-functional teams to gather requirements and deliver robust intranet solutions that improved workflow efficiency.
- Technologies:** WordPress, PHP, MySQL.

EDUCATION

EPITECH - European Institute of Technology

Master in Computer Science ; **GPA: 3.7/4.0**

Information Technology Expert

Nancy, France

Sep 2020 - Aug 2025

Key Highlights: Valedictorian of Nancy campus; Teaching Assistant for 3 consecutive years; project-based learning with emphasis on practical software development; active member of CodingClub organizing workshops for high school students.

Keimyung University

Study Abroad - Game Development & AI

International Exchange Program

Daegu, South Korea

Sep 2023 - Jul 2024

Focus Areas: Game development, Artificial Intelligence, VR/AR technologies, Korean language learning.

Study Abroad Video | [YouTube](#)

SKILLS

Backend & APIs: Node.js, TypeScript, Express, REST, WebSockets, JWT, OAuth 2.0/OIDC, Java, C/C++, C#, PHP, Django

Databases: MongoDB, PostgreSQL, MySQL, Firestore, Redis

DevOps & Cloud: Docker, Kubernetes, Google Cloud Platform (GCP), GitLab CI/CD, Jenkins, Linux, Firebase

Frontend: React, React Native, JavaScript, HTML5, CSS3, Tailwind CSS, Vue.js, Nuxt.js

Architecture & Security: Authentication systems, Microservices, API security, System design

Testing & Quality: Unit, integration & E2E testing; tools: Jest, Pytest, Cypress, Playwright

AI & Computer Vision: PyTorch, TensorFlow, OpenCV, PyQt6, Machine Learning

Game Development: Unity, C#, Unreal Engine, SFML, OpenGL, TCP/UDP

Languages: French (Native), English (C2 - CEFR), Italian (B1), Korean (A2)

PROJECTS

JobNeko - AI Job Search Platform (Self-hosted) | [GitHub](#)

- Developed a full-stack AI-powered job discovery platform with web scraping, salary intelligence, and personalized recommendations. Currently self-hostable with modular API architecture for AI-driven features. Built using Next.js, TypeScript, Supabase, and Stripe for SaaS subscription management.
- Technologies:** Next.js, TypeScript, Supabase, Prisma, Stripe, OpenAI API, Tailwind, ShadCN UI.

AI Facial Recognition Attendance System | [GitHub](#)

- Built a production-grade attendance application with a PyQt6 desktop frontend and a Python/PyTorch/OpenCV engine; designed for both local (on-device) and cloud deployments. Implemented REST APIs for real-time processing, Firestore integration, and automated reporting. Deployed at EPITECH with strong privacy and data-security controls.

Wii Tanks Remastered | [GitHub](#) | [Demo](#)

- Fan remake of the classic Wii Play Tanks gameplay with enhanced graphics and mechanics. Built with Unity and C#.

LeonArt - Art Marketplace | [GitHub](#)

- Architected and developed a full-stack marketplace platform with a focus on backend systems. Built scalable APIs using Node.js, TypeScript, and Express; integrated Stripe for secure payments; implemented webhooks for real-time events.

AWARDS & ACHIEVEMENTS

Technical Leadership: Recognized as a top-performing teaching assistant for three consecutive years.

Startup Award: Jury's "Coup de Coeur" winner for *LeonArt* at the Moonshot event (EPITECH Nancy).

International Experience: Certified EPITECH Ambassador during study abroad at Keimyung University, South Korea.

Professional Certifications: Agile Coaching, Team/Operational Management, Crisis Communication, and IT Project Management from IONIS X.

INTERESTS

Cybersecurity, Digital Identity, Game Development, AI & Machine Learning, Asian Culture, Tech Innovation, Sustainability, Cultural Exchange, Japanese Pop Music, Electronic Music, Webtoons, SF & Fantasy Novels