



Vincent Dénier

SENIOR SOFTWARE ENGINEER | AI, AGENTIC, FULL STACK, TYPESCRIPT, PYTHON

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PROFILE

Freelance Senior Software Engineer, available for new opportunities. Specialized in full stack TypeScript/Python development and AI integration (LLMs, agents, RAG). Experience as CTO and Lead Developer.

SKILLS

Programming Languages

JavaScript · TypeScript · Python

Artificial Intelligence & Generative AI

LLM · AI Agents · RAG (Retrieval-Augmented Generation) · Stable Diffusion · Flux · AI API Integration

Frontend Development

React.js · Next.js · HTML5 · CSS · TailwindCSS

Backend Development

Node.js · Express · NestJS · Flask · FastAPI

Databases

PostgreSQL · MongoDB · Amazon DynamoDB · IBM DB2 · SQL

EXPERIENCE

Apr 2024
Present

Freelance Senior Software Engineer – Full Stack & AI

EI DENIEL VINCENT — Bordeaux, Nouvelle-Aquitaine, France · Remote

Consulting and full stack development for various clients as a Freelance Senior Software Engineer.

- Full stack development using TypeScript, React.js, and Node.js for diverse clients
- Utilizing AI agents for code generation
- Integrating AI models (LLMs) into web products
- Consulting on software architecture, code quality, and best practices
- Systematic application of Test Driven Development (TDD)

Oct 2025
Dec 2025

Freelance Senior Software Engineer – Full Stack & AI

PayFit — Bordeaux, Nouvelle-Aquitaine, France · Remote

Mission at PayFit focused on improving the acquisition funnel and deploying a referral program.

- Development and optimization of the user acquisition funnel (React.js, NestJS, TypeScript)
- Design and implementation of a referral program for new customer acquisition

Cloud & DevOps

Amazon Web Services (AWS) ·
Google Cloud (GCP) · Linux ·
Apache · Nginx

Software Engineering & Quality

Domain Driven Design (DDD) ·
Functional Programming · Test
Driven Development (TDD) · Scrum
· Agile Methods · Software
Architecture · Code review

LANGUAGES

French	Native
English	Fluent and Professional

EDUCATION

Master’s Degree (M2) —
Physical Sciences – N3A –
New states of matter, exotic
nuclei and clusters

University of Caen Lower
Normandy
2009 – 2011

PROJECTS

Operative AI

Private search engine combining a
local AI model and a RAG
(Retrieval-Augmented Generation)
architecture for semantic search on
personal data.
<https://github.com/vincentdnl/operativeai>

- Backend development on AWS with Amazon
DynamoDB
- Contribution to improving the team’s software
development practices
- Stack: AI, TypeScript, React.js, NestJS, Node.js,
AWS, Amazon DynamoDB

Sep 2024
Jul 2025

Freelance Senior Software Engineer – Full Stack & AI

Kazaar — Bordeaux, Nouvelle-Aquitaine, France ·
Remote

Full stack and AI development mission for Popmate
products and the Kazaar print marketing platform.

- Frontend and backend development of Popmate, an
AI image generation chatbot for Point of Sale (POS)
advertising
- Integration of image generation models: Stable
Diffusion, Flux
- Implementation of LLM (AI) pipelines
- Feature development on the Kazaar print marketing
platform (React.js, NestJS)
- Stack: AI, TypeScript, NestJS, Node.js, React.js,
PostgreSQL, LLM, Stable Diffusion, Flux

May 2022
Aug 2024

Chief Technology Officer & Co-founder

Bulldog — Bordeaux, Nouvelle-Aquitaine, France ·
Remote

Role as CTO and co-founder of a startup specializing in
marketing loyalty through AI.

- Design and deployment of a marketing loyalty
platform based on LLM and AI models
- Platform used by several clients, including a CAC40
group
- Definition of technical architecture, stack choices,
and product roadmap
- Management of the development team, recruitment,
and upskilling
- Application of TDD and rigorous software
engineering practices
- Stack: AI, TypeScript, React.js, Next.js, Node.js,
Python, LLM, Linux

Apr 2024
Jun 2024

Trainer – Code Quality and Maintainability

*EPSI - Engineering School of Computer Science —
Bordeaux, Nouvelle-Aquitaine, France · On-site*

Master 1 level course in software engineering focusing on code quality and maintainability.

- Teaching the 'Code Quality and Maintainability' module for M1 software engineering students
- Instruction on Test Driven Development (TDD) and TypeScript best practices
- Transmitting software engineering methods applicable in a professional context

Apr 2024
Jun 2024

Trainer & Jury Member – Final Year Project

CESI — Bordeaux, Nouvelle-Aquitaine, France · On-site

Supervision of the M2 cohort on a final year project (meal delivery platform) and participation in the defense jury.

- Supervising final-year master's students in building a full stack project
- Providing guidance on agile methods and software engineering practices
- Participation in the final project validation jury

Sep 2016
Apr 2022

Lead Developer – Full Stack Python & TypeScript

myElefant — Bordeaux, Nouvelle-Aquitaine, France

Development of a SaaS SMS marketing platform acquired by Sinch, the global leader in SMS messaging.

- Full stack development of a SaaS marketing SMS platform (Python, TypeScript, React.js, Node.js)
- Assumed leadership responsibilities: code reviews, architecture, mentoring
- R&D on new distribution channels: Meta (Facebook) Messenger and RCS chatbots
- Participation in the platform's integration into the Sinch product ecosystem
- Working with agile methods (Scrum) and applying TDD
- Stack: Python, TypeScript, React.js, Node.js, Linux, Scrum, TDD

May 2020

Jul 2020

Trainer – Information Security

*EPSI - Engineering School of Computer Science —
Bordeaux, Nouvelle-Aquitaine, France*

Master 1 level course in software engineering focusing on IT security.

- Teaching an information security module for M1 students
- Instruction on web vulnerabilities and security best practices (TypeScript, Node.js)

Sep 2016

Mar 2020

Full Stack Developer – Python & TypeScript

Yaal — Bordeaux, Nouvelle-Aquitaine, France

Development of the myElefant platform within the Yaal company.

- Full stack development of the myElefant SaaS marketing SMS platform (Python, TypeScript, React.js)
- R&D on chatbots for Meta (Facebook) Messenger and RCS
- Working in Scrum and TDD within an agile team
- Stack: Python, TypeScript, React.js, Node.js, Linux, Scrum, TDD

Nov 2015

Sep 2016

Web Development Engineer – PHP & JavaScript

Smile Open Source Solutions — Bègles, Nouvelle-Aquitaine, France

Development and maintenance of client sites based on open-source CMS.

- Development and bug fixing on client websites (Magento, Drupal, WordPress)
- Stack: PHP, JavaScript, Magento, Drupal, WordPress

Oct 2013

Nov 2015

Freelance Web Developer

Vincent Dénier — Bordeaux, Nouvelle-Aquitaine, France

Development of websites for independent clients.

- Frontend development: HTML5, CSS, JavaScript (Angular.js, jQuery)
- Backend development: PHP, Symfony 2, WordPress
- PostgreSQL database management

May 2012

Software Developer – IBM Systems

Jul 2013

ADAMING CONSEIL – Le Haillan, Nouvelle-Aquitaine, France

Application development and maintenance on IBM mainframes for Logica/CGI.

- Application development and maintenance on IBM mainframes (COBOL)
 - IBM DB2 database management (SQL)
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Apr 2011

Research Intern – Nuclear Physics

Jul 2011

Corpuscular Physics Laboratory (LPC) – Caen and surrounding area

Development of data analysis tools for nuclear physics experiments.

- Development of data analysis tools (C++, Linux) for the INDRA team
 - Processing and interpretation of experimental data in nuclear physics
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Apr 2009

Research Intern – Nuclear Physics

Jul 2009

Grand Accélérateur National d'Ions Lourds (GANIL) – Caen and surrounding area

Development of data analysis tools for nuclear physics experiments.

- Development of data analysis tools (C++, Linux) for the INDRA team
- Processing and interpretation of experimental data in nuclear physics