

# Roland Vrignon

Full Stack Software Engineer - AI Focus

## Summary

5+ years of experience designing scalable, AI-driven applications. Expertise in developing robust systems, managing cloud infrastructure, and delivering impactful solutions for startups and enterprises.

## Informations

### Personal website

<https://rolandvrignon.com>

### Whatsapp

<https://wa.me/33769701268>

### Email

[roland.vrignon@gmail.com](mailto:roland.vrignon@gmail.com)

### Linkedin

<https://linkedin.com/in/roland-vrignon>

### Github

<https://github.com/RolandVrignon>

### Location

Paris, France - Flexible

## Core skills

### Frontend

JavaScript, TypeScript, HTML5, CSS3, SCSS, React, Next.js, Tailwind CSS, ShadcnUI, RadixUI, React Server Components (RSC), Responsive design.

### Backend

Python, Node.js, Bash, C, C++, NestJS, Express.js, Django, RESTful APIs, GraphQL, WebSocket, Serverless architecture (Amazon Lambda).

### AI & ML

LangChain, LlamaIndex, CohereAI, OpenAI, MistralAI, Groq, Grok, TogetherAI, RAG, Embedding, Vector Search, Nearest KNN, Vercel AI SDK, OpenLLM, HuggingFace.

### Databases

MongoDB, PostgreSQL, MySQL, Elastic-Search, Prisma.

### Cloud & Infrastructure

GCP, AWS, AZURE, Docker, Kubernetes, Cloudflare, Linux (Ubuntu, Debian, CentOS), expert terminal user, system administration, shell scripting (Bash).

### Design Tools

Figma, Adobe Creative Suite (Photoshop, Illustrator, XD, Indesign), Sketch.

### Security & Compliance

Security best practices, OAuth, JWT, Data Encryption, SSL/TLS, Network Security.

## Languages

French Native

English Professional

German Advanced

## Interests

### Running

Personal best in half-marathon: 1h42

## Work Experience

### Normx - Full-Stack Software Engineer - LLM & GenAI Lead

Permanent contract - 03/2023 - 01/2025

<https://normx.co> - start up context - <5 employees

Normx is a SaaS for verifying standards within documents in the construction industry.

- Developed a complete AI-powered workflow to reduce inspection times by 70%, from two days to just half a day.
- This optimization was expected to result in savings of 800 euros per project, totaling 80,000 euros per month for the client, with an annual savings of 1,000,000 euros based on 100 projects per month.
- However, due to the collapse of the real estate market in France, the projected results were not fully realized as anticipated and not prioritized.

### Cyberr.ai - Full-Stack Software Engineer - AI Integration

Freelance - 05/2024 - 07/2024

<https://cyberr.ai>

Cyberr.ai connects cybersecurity talent with companies globally.

- Developed a GenAI-based system to automate massive resume data extraction, achieving a 57% cost reduction and a 35% efficiency improvement.

### Lootibox - Full-Stack Software Engineer - AI Integration

Freelance - 06/2024 - 08/2024

<https://lootibox.com>

Lootibox simplifies building compliance management.

- I developed a system for Lootibox that extracts metadata and service details from client contracts using GenAI, matches them with their service database, for finally display them clearly at the front-end.

### Blindating - Full-Stack Software Engineer

Permanent contract - 02/2020 - 10/2022

<https://blindating.rolandvrignon.com> - start up context - <5 employees

- Led the development of a university-focused blind dating app, with the goal of testing the application in one university before expanding to others.
- In the first 4 weeks of testing at a university in the Paris region, the app reached over 100 matches to be sent per day, creating 100 conversations daily, far exceeding WhatsApp's limit of 50 conversations per day, which led to the app being flagged as spam.
- The app was designed to have a balanced user base with 50% men and 50% women, positioning it as a more forward-thinking dating app compared to others that lacked this technical consideration.

### Group PVCP - E-Merchandiser

Work-study program - 09/2019 - 08/2021

The PVCP group is a European tourism leader.

- Conducted A/B testing to optimize user engagement and improve conversion rates.
- Implemented website personalization to enhance customer experience.

### Alphonse - Software Engineer

Internship - 01/2019 - 06/2019

Alphonse is an IT Services Company that places developers on client projects.

- Collaborated with a senior developer to design and implement an internal feedback platform.

## Personal projects

### Chat With Me Before Hiring Me - 2024

<https://rolandvrignon.com> - [https://github.com/RolandVrignon/chat\\_with\\_me\\_before\\_hiring\\_me](https://github.com/RolandVrignon/chat_with_me_before_hiring_me)

- Developed a personal chatbot to showcase my experience and aspirations. Built with React Server Components (RSC) for seamless interactions, enabling dynamic UI features such as theme switching and language toggling.

### Minishell - 2023

<https://github.com/RolandVrignon/minishell>

Objective : Recreate a functional bash shell in C as part of a 42 Paris project.

- Designed and implemented a custom shell with a modular architecture divided into four main components : lexer, parser, expander and executor.

## Education

42 Paris - 03/2022 - 07/2023

Systems and Network Administration

Institute of the Internet and Multimedia (IIM) - 09/2019 - 08/2021

Master's Degree in Strategy & E-Business, (with honors)

Institute of the Internet and Multimedia (IIM) - 03/2016 - 08/2018

Bachelor Full-stack Web Developer, (with honors)

Lycee Jeanne d'Albret, Saint-Germain-En-Laye - 06/2015

French Baccalaureate S (Science) option SI (Computer Science)