

Karol NAZE

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OBJECTIVE

With a strong background in backend development and applied AI, I'm seeking my next challenge as a software engineer.

SKILLS

- **Programming Languages** : Python, C, Java, C++ (STL), JavaScript, Typescript, C#, Bash, PostgreSQL, MongoDB
- **Technologies** : React, Node.js, Angular, NestJS, .NET, Flask, Django, Spring Boot, Azure, AWS, Docker, CI/CD
- **Data & AI** : Pandas, Numpy, TensorFlow, LLMs (OpenAI API, Gemini)
- **Concepts** : SOLID, Clean Code, Design Patterns, OOP, Hexagonal Architecture, DDD, TDD, Agile/Scrum
- **Abilities** : Teamwork, Problem solving, Fast Learning, Intellectual curiosity, Effective communication
- **Languages** : Native French, English(TOEIC 860), Spanish (B1)

EXPERIENCES

Sep 2024 – Present	Software Engineer (Freelance), <i>Remote (TopCoder)</i> Built web applications with backend APIs and AI-powered features, including document search tools and onboarding assistants.
Mar. 2024 – Sep. 2024	AI Full-Stack Software Engineer (Internship), <i>CGI (EDF)</i> Actively contributed to building a generative AI assistant to help EDF teams navigate documentation related to energy efficiency regulations. Reduced search time by 70% and enabled automatic text extraction from scanned documents. Collaborated closely with EDF experts in an agile team to improve answer accuracy.
Jun. 2023 – Sep. 2023	Backend Developer (Internship), <i>Grupo TYPSA</i> Worked on <i>Hydro App</i> , a tool for flood risk analysis in infrastructure design. Replaced Excel-based workflows with Python and Django modules (120+ hours/year saved). Improved backend performance by 40%. Developed a React dashboard to visualize model outputs and support engineering decisions.
Jul. 2022 – Sep. 2022	Application Developer (Internship), <i>EC DATA CONSULTING</i> Contributed to refactoring a Java-based internal tool for banking analysts. Applied Clean Code principles, reducing technical debt by 25%. Improved user experience by redesigning interface layouts based on UX best practices.

EDUCATION

2021 – 2024	Engineering Degree in Computer Science , Paris École d'Ingénieur Denis Diderot –Paris Cité University Grade : with high honors (Top 2) · Valedictorian speaker – Graduation speech
2019 – 2021	Preparatory Classes (Mathematics & Computer Science) , Morocco Euromed University of Fez (UEMF) Admitted through entrance exam with merit-based scholarship (INSA Euro-Med program)

CERTIFICATION

- Microsoft Azure AI Engineer Associate (AI-102)
- AWS Certified Cloud Practitioner