Solution Architect

Grégoire Triay - Student at ENSEEIHT

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Objectif

Bringing you my knowledge and expertise during my assignments. I am accustomed to working on complex IT systems (alone or as part of a team) and seeking innovative, effective, and robust solutions to problems requiring cross-functional skills.

Expériences

Solution Architect, *Connektica* ↗   06/2025 – Present
- Resolving industrial customer requests   Toulouse / Montréal
- Designing solutions to complex problems
- Data science using Power BI

Expert Blockchain & Back-end, *New Waves Payments*   2020 – 2023
- Design and development of a crypto payment solution for merchants
- Implementation of Rust Smart Contracts on blockchain
- Architecture and development of a highly scalable back-end
- Close collaboration with merchants to tailor the solution
- Autonomous management of development and deployment

Performance Architect, *Tuleeps*   2019 – 2019
- Development of high-performance back-end services in Rust
- Implementation of a complex matching system
- Integration of the WebRTC protocol for instant messaging
- Continuous optimization of system performance
- Resolution of complex technical issues

Lead Developer, *Cloothe*   2018 – 2019
- Back-end development in Go for a fashion social network
- Implementation of recommendation algorithms using deep learning
- Design and development of high-performance APIs
- Setup of MongoDB and Redis infrastructure
- Analysis and adaptation to evolving user needs

Blockchain Expert, *Tchoo*   05/2018 – 12/2018
- Development and deployment of Rust Smart Contracts on Elrond
- Design and maintenance of a highly scalable back-end
- System performance optimization
- Blockchain deployment management

Back-end Lead, *Symphonia*   2016 – 2018
- Creation and maintenance of a multi-protocol proxy system
- Continuous adaptation of code according to user needs
- Optimization of network performance
- Development of customized solutions

Education

Computer Science, *ENSEEIHT* ☐ 2025 – Present

Second year of preparatory classes for engineering schools, 2023 – 2025
Prépa des INPs Toulouse Toulouse

High School Diploma with Mathematics and Physics Options, 2022
Lycée Pierre d'Aragon Muret, France
Mention Très Bien

Participation in the General French and History National Competition 2021

Compétences

Team work — Competent
Use of Notion, Trello, Todoist, Google Calendar, etc.

Front-End Development — Competent
- Svelte + React (+ Tailwind and other classics)
- Basic HTML + CSS
- Mobile: React Native + Expo

Autres
- Physique
- Chimie
- Biologie

Back-End Development — Proficient
- GoLang: gin, fiber, fasthttp, etc.
- Rust: Microservices requiring high performance
- Webhook
- WebRTC
- MongoDB + Redis
- RabbitMQ
- Open API
- PHP: composer, laravel, OOP
- Elasticsearch
- SQL: PostgreSQL, MongoDB
- API integration & Effective API design

IT and modeling — Proficient
- Web Reverse Engineering
- Cheat Engine + IDA: Memory Injection & Reverse Engineering
-> C++ for DLL injection
Cryptography: Elliptic PGP + Bézier Curve
- AI: Machine Learning, Deep Learning (use of pre-trained or fine-tuned models)

Langues

Anglais **Espagnol**
C2 - Billingual B1

Centres d'intérêts

- Computer science
- Finance
- Scientific research
- Innovation

Direction Technique

- Project architecture and technology choices
- Establishing development standards
- Drafting technical documentation
- Planning and monitoring developments
- Technology watch and innovation

Gestion de Projet

- Coordination of technical teams
- Definition and monitoring of development milestones
- Organization of work and priorities
- Customer relationship management
- Quality assurance of deliverables