

Alexandre TISSERAND

Looking for a software development project full-time. I have 3+ years experience handling dev projects in complex industrial context. I particularly enjoy the Typescript & Vue ecosystem but also like to take on new challenges and to be involved in all the creation stages: from idea to operation.

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Work Experience

Schneider Electric - Hoisting Business Center - Research, Development & Innovation *Grenoble · 09/2018 - 08/2021*

- Technical leader for the development of a predictive maintenance module aimed to mechanical diagnosis of faults according to the evolution of vibration signature:
 - Design of whole software architecture with constraints
 - Setup of Cyber Secure infrastructure and CD/CI pipeline
 - Creation of a Nuxt FrontEnd Web Application
 - Specification then test-driven development of the BackEnd using Express.js
 - Specification of rules based data processing
- Test and qualification of innovative tracking positions solutions:
 - Hardware and software setup of prototypes
 - Creation of drivers
 - Analysis and comparison with existing solutions then feedback with the constructor
- Technical leader for the development of a predictive maintenance module to detect failure using continuous vibrations monitoring:
 - Specification of system architecture
 - Installation and configuration of the acquisition chain
 - Creation of Standard PLC program (M580 / Control Expert)
 - Management of Front End design and implementation
 - Co development and field test of the solution with Chinese teams
 - Documentation for system integrator
 - Promotion of the system with the business devs

Education

- Engineering degree in Embedded systems - Grenoble-INP ESISAR *Valence · 2018 - 2021*
 - Master equivalent. Options : Complex network systems, IoT, Cryptography and secure protocol, Dependability and security of computing systems, BlockChain & Smart Contract
- CPGE ATS - Industrial Engineering - Lycée André Argouges *Grenoble · 2017 - 2018*
 - Course : Mathematics, Physics, Electrical and Mechanical Engineering
- DUT in Physical measurements - Université Grenoble Alpes *Grenoble · 2015 - 2017*
 - Major in Instrument technology

Skills & Tech

FrontEnd

Vue 2 & 3 | Nuxt
Pinia | Vuex
Vite | WebPack
Sass | UnoCSS
Cypress
Three.js | Wasm | Unity

BackEnd

Typescript
Nest | Express
Mocha
Go | C
Java | Java JSF | C#

Data

R | Python | MatLab
Prisma
Postgres | SQLite | InfluxDB

Infrastructure

HyperVisor (VMWare, Proxmox)
Docker and Compose
AWS (VPC, S3, Route 53)
OVH, Cloudflare (Dns)
pfsense | Haproxy | Traefik
Git | GitHub Actions

Language

French: native
English : fluent
German: beginner
Portuguese : beginner

Hobbies

Cycling | Running | Alpine Skiing
Brewing
Festivals | Technologies