



## ABOUT ME

I am a strategic, detail-oriented problem solver with a keen and analytical mind, driven by a passion for innovation. My experience has taught me that a project's value lies in accurately identifying and contextualising the objectives to achieve—this is where I make the greatest impact.

In designing systems, I believe that clarity ↗ and elegance ↗ are key to lasting relevance: I am a stalwart advocate of radical simplicity and empower my collaborators to strive for creative solutions that will remain effective and adaptable.

## EXPERIENCE

### Principal Software Engineer at Unite ↗ (remote position)

Nov. 2022 – Present (3 years, 1 month)

Leipzig, Germany

Enabling our feature teams ↗ to focus on delivering functionality in the trying context of reinventing a B2B e-procurement platform ↗ grossing 500 million euros a year.

Mentored a junior IT developer ↗ in 2023 and 2024.

### Solutions Architect at NCLS Development ↗ (independent consultant)

Dec. 2014 – Present (11 years)

Brittany region, France

Designed the entirety of the services that make up an enterprise EHS solution trusted by the French national employment agency ↗ since 2016.

### Software Engineer at Propellerhead ↗

Dec. 2013 – Dec. 2014 (1 year, 1 month)

Auckland, New Zealand

Co-designed and implemented the engine responsible for parsing and semantically classifying 160+ years of heterogeneous historical data.

Project highlighted by the W3C ↗ as one of the foremost examples for their Data on the Web Best Practices ↗ publication released in 2017.

### Product Owner at Gaspard Monge Institute ↗

Sep. 2012 – Mar. 2013 (7 months)

Paris area, France

Led a team of 5 junior IT engineers implementing a proof-of-concept solution for a research project of the institute.

### Software Engineer at Safran Aircraft Engines ↗

Sep. 2010 – Sep. 2013 (3 years, 1 month)

Île-de-France, France

Interfaced with physicists to implement real-time ports of cutting-edge signal processing algorithms in the demanding context of aircraft and rocket engines.

Mentored a junior IT engineer ↗ from 2011 to 2013.

### Apprentice Product Owner at Site Alpha, Planon group ↗

Sep. 2008 – Sep. 2010 (2 years, 1 month)

Paris area, France

Handpicked by our CEO ↗ to elaborate with him specification documents for the company's new flagship product.

# CAREER HIGHLIGHTS



2024

## Steered project back on track to meet crucial deadline

I led the initiative to revise the design of a project gone off-course and coordinated the efforts to deliver on time a future-proof solution that would address the imminent amendments to the Visa ↗ compliance mandate.

corrected course of project with under **3 weeks** of **6 months'** lead time before pivotal cutoff date

2023

## Spearheaded redesign of dysfunctional payment workflow

I drove the complete overhaul of the procedure and architecture of the credit card payment system at a major B2B e-procurement platform ↗, and provided a working implementation that purged accidental complexity and addressed discovered vulnerabilities.

reduced code base by about **96%** for a platform handling annually **billions of euros** in transactions

2020

## Resolved performance bottleneck in data computation engine

I proposed to better leverage a customer's database engine ↗ and pair intricate SQL queries ↗ with savvy and straightforward API design to break the impasse of a solution having far outgrown its original scope.

from about 15 seconds down to **80 milliseconds** entirely eliminated the reliance on caching

2016

## Awarded public tender through innovation partnership

I designed a bespoke EHS solution ↗ lauded by a digital incubator of the French government ↗ and was funded for its implementation and continuous development.

used by over **9,000** government employees ongoing partnership of nearly **9 years**

2014

## Built data contextualisation protocol for the Semantic Web ↗

I jointly designed as well as implemented the procedure and supporting system by which Auckland Museum ↗'s collections curator could map out the semantic attributes of their Linked Open Data ↗ platform's ever-growing digital archive.

implemented for the **Web 3.0** over a decade ago highlighted by the W3C

2012

## Identified and addressed costly, recurring resource waste

I noticed an opportunity for, designed, built and drove the promotion of a workflow optimisation for technicians at a world-leading aircraft engines manufacturer ↗ to substantially reduce the strenuous cost of late-stage testing of our propulsion systems.

over **1,000,000 euros** saved each year improved longstanding procedure in the defence industry

**WEB** Webpack ↗ RxJs ↗ Angular ↗ Svelte ↗ Vite ↗ Lit ↗ Tailwind ↗ GraphQL ↗ React

**DATABASE** PostgreSQL ↗ jOOQ ↗ DynamoDB ↗ Liquibase ↗ RDS ↗ OracleDB ↗ SQLite

**CODE** Neovim ↗ TypeScript ↗ Java ↗ JavaScript ↗ Git ↗ Lua ↗ ReactiveX ↗ Bash ↗ C++

**TOOLS** tmux ↗ Git ↗ GNU coreutils ↗ ripgrep ↗ fd ↗ Zsh ↗ AWK ↗ jq ↗ fzf ↗ ast-grep ↗ p10k

**CLOUD** AWS ↗ Google Cloud Platform ↗ GitHub Actions ↗ Kubernetes ↗ Terraform

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