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ccjmne.sh/blog 🖪

TOP SKILLS **-

AWS Platform
Arch. Design
Git Surgery
Linux Sys. Admin.
DevOps
TypeScript
Java
Documentation
DB Admin.
Web Dev.
Communication
Code Quality
Organisation

EDUCATION >>>---

Engineer's Degree

---- in Network Security

Upskilled in the Java language by Rémi FORAX . major contributor to its expansion.

Awarded with the greatest distinction. Graduated top of class.

Licentiate Degree

—-in Computer Science

Awarded with the greatest distinction. Graduated top of class.

Baccalaureate

>>> in Applied Physics for Electronics

Awarded with the greatest distinction. Graduated top of class; top 0.4% nationwide.

Endorsements <>>-

Christian POPESCU ☑

-->> Senior Software Engineer

Éric showed obvious technical skills and remarkable abstraction capacities.

I trust in his technical and human skills.

Étienne DURIS 🗷

----> University Professor

Éric is a hard-working person, tackling all assignments with dedication.

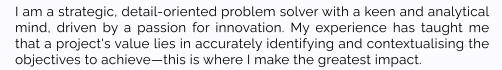
I highly recommend him, he is a team player and would make a great asset to any organization.

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ÉRIC NICOLAS SOLUTIONS ARCHITECT



ABOUT ME



In designing systems, I believe that <u>clarity</u> <u>r</u> and <u>elegance</u> <u>r</u> 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)

Leipzig, Germany

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

Mentored a junior IT developer 2 in 2023 and 2024.

Solutions Architect at NCLS Development 2 (independent consultant)

Dec. 2014 - Present (10 years, 11 months)

Brittany region, France

Designed the entirety of the services that make up an enterprise EHS solution trusted by the <u>French national employment agency</u> is since 2016.

Software Engineer at Propellerhead 12

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 <u>highlighted by the W3C</u> as one of the foremost examples for their Data on the Web Best Practices a publication released in 2017.

Product Owner at Gaspard Monge Institute 12

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 2

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 2 from 2011 to 2013.

Apprentice Product Owner at Site Alpha, Planon group 2

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

Paris area, France

Handpicked by <u>our CEO</u> to elaborate with him specification documents for the company's new flagship product.

CAREER HIGHLIGHTS

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 $\underline{\text{Visa}} \ \underline{\text{C}}$ compliance mandate.

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

Spearheaded redesign of dysfunctional payment workflow

I drove the complete overhaul of the procedure and architecture of the credit card payment system at a <u>major B2B e-procurement platform</u> **E**, 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

Resolved performance bottleneck in data computation engine

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

from about 15 seconds of the reliance on caching

Awarded public tender through innovation partnership

I designed a bespoke <u>EHS solution</u> <u>rale</u> lauded by a <u>digital incubator of the French government</u> <u>rale</u> and was funded for its implementation and continuous development.

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

Built data contextualisation protocol for the Semantic Web

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

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 <u>world-leading aircraft engines</u> <u>manufacturer</u> to substantially reduce the strenuous cost of late-stage testing of our propulsion systems.

over **1,000,000 euros**saved each year 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

