

<u>stackoverflow/ccjmne</u> 🖸

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Ccjmne.sh/blog ☑

### TOP SKILLS <>>-

#### 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.

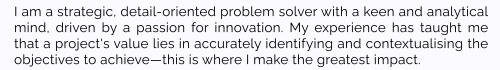
I highly recommend him, he is a team player and would make a great asset to any organization.

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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 L

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

