

Julien Esnault

Cloud & FinOps Engineer | Full-Stack & Data

AWS Certified Solutions Architect - Associate · FinOps Certified FOCUS Analyst

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Cloud engineer focused on **cost optimisation and delivery**, combining **FinOps** with **Full-Stack / Data Engineering**. Experience with business-critical platforms, data quality, observability, CI/CD and cloud spend management, alongside architecture redesign and the industrialisation of data and deployment pipelines.

CORE SKILLS

Cloud & FinOps	AWS (EC2, S3, RDS, VPC, IAM, ELB/ASG, Route 53, Lambda), GCP (BigQuery), rightsizing, purchasing options, cost allocation & showback, FOCUS specification
DevOps & IaC	GitLab CI, Jenkins, Docker, Kubernetes, Helm, Terraform, Ansible
Full-Stack	React, Next.js 15, Node.js, TypeScript/JavaScript, Tailwind CSS, Shadcn UI, Prisma
Back-End & APIs	Symfony, FastAPI, Django, REST, authentication, domain-driven design, testing
Data & Observability	PostgreSQL, MongoDB, Snowflake, ELK, Prometheus, Grafana, SQL, Pandas
Applied AI	OpenAI/Anthropic APIs, OCR/parsing, LLM workflows: extraction, classification, enrichment
Languages	French: native · English: professional proficiency (TOEIC 875/990)

PROFESSIONAL EXPERIENCE

Full-Stack Data & DevOps Developer

SFR-SA · Paris, France | Sep 2023 - Present

- **FinOps & cloud cost optimisation:** analysed GCP BigQuery consumption, reduced infrastructure spend by **15%** and cut average execution cost by **30%** for the most expensive jobs.
- **Technical lead on Gencia:** redesigned and evolved a critical internal platform for fibre connection workflows, with strong requirements for data quality and flow reliability.
- **Observability:** implemented Prometheus/Grafana dashboards and alerting, reducing critical incidents by **30%**, MTTD by **40%** and MTTR by **30%**.
- **CI/CD & delivery:** industrialised GitLab CI pipelines with quality gates and deployments, halving the production release cycle and achieving a **97%** pipeline success rate.
- **Back-end architecture:** separated domain and infrastructure in a Symfony hexagonal architecture, improving testability and reducing recurring post-release defects by **30%**.
- **Integrations & data quality:** strengthened exchanges with validation, deduplication and consistency rules; achieved **99%** flow success and **25%** fewer data inconsistency rejections.
- **React front-end performance:** redesigned UX and reusable components, cutting **P95 latency by 40%** on key screens.

Software Engineer

Biomechanics startup · Station F, Paris | May 2023 - Aug 2023

- **Investor prototype:** delivered an interactive demonstrator in **under 8 weeks**, used as the main fundraising presentation, with rapid founder and business feedback iterations.
- **AI & real-time 3D:** integrated biomechanical scans into a 3D rendering pipeline, achieving **60 FPS** in key demo scenarios.
- **Performance:** reduced startup time by **65% (5.5s to 1.9s)**; improved perceived latency with preloading and caching.
- **Data flows & quality:** validated and normalised scan data with error handling, achieving **98%** processing success on test/demo datasets and **99% crash-free** internal demo sessions.
- **Product collaboration:** scoped and prioritised investor-ready features, packaged reproducible demo scenarios and introduced targeted tests and development conventions.

Selected projects & credentials

Julien Esnault · Cloud & FinOps Engineer

PERSONAL PROJECTS

Portfolio Terminal

portfolio-terminal.com | Next.js 16 · TypeScript · AI/LLM · Finance analytics

- Designed a **wealth management platform for individual investors**, aggregating, structuring and analysing multi-asset portfolios across stocks, ETFs and crypto.
- Built an **AI Smart Import pipeline** for images, text and JSON, turning raw data into actionable portfolios with **94% extraction accuracy across 200 imports**.
- Automated **78% of imports end to end** without manual correction through error detection, deduplication and ticker/currency normalisation.
- Reduced portfolio creation time from **12 minutes to 10 seconds (-98.6%)**, eliminating manual entry in **90%** of cases.
- Developed wealth, risk and performance analytics: **95% VaR, Sharpe ratio, beta, correlations, dividends and total return** to support allocation, tracking and portfolio optimisation.
- Defined an augmented wealth management roadmap covering performance leakage detection, tax optimisation modules and personalised financial recommendations, with a **local-first** approach.

GoldenCompass - Financial education platform

goldencompass.fr | Full-Stack & Data

- Designed and developed a financial education platform **end to end**, combining editorial content with interactive budgeting and decision-support tools.
- **Budget Management**: monthly tracking, custom categories, user profiles and AI Budget Insights for contextual recommendations, using a privacy-focused local-first approach.
- **Mortgage simulator**: real-time calculations for payments, total cost, interest, insurance and debt ratios, with amortisation tables/charts and saved scenarios for comparison.
- **Data & content**: Market News / Market Prices pages, a structured financial glossary with categories, levels and filters, and a searchable blog.
- **Product direction**: a public roadmap for PWA support, Open Banking integrations, advanced insights and AI recommendations to evolve into a finance companion.

EDUCATION & CERTIFICATIONS

Master - Full-Stack Development & Data Engineering

Panthéon Assas - Efrei Paris · 2024

AWS Certified Solutions Architect - Associate (SAA-C03)

August 2026 - August 2029

FinOps Certified FOCUS Analyst

FinOps Foundation · 2025

TOEIC Listening & Reading: 875/990

March 2026

Claude with Amazon Bedrock

Anthropic · March 2026 · Credential ID: 9u9nuyuid4do

SQL Associate

DataCamp · February 2026 - February 2028 · ID: SQA0015685497356

Generative AI Fundamentals | Full-Stack JavaScript Bootcamp

Google | O'Clock · 2023