François Dautrême

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Summary

Integration Engineer at Stripe and former AWS Solutions Architect, combining customer advisory with deep technical expertise to lead complex integrations from discovery to launch. Designs AI-powered tools and delivery methods that help teams work more efficiently.

Experience

Integration Engineer 09/2025 - Present
Stripe *Paris, France*

- Architected and led a wallet implementation for a major US marketplace, simplifying end-user onboarding and wallet provisioning; wallet-funded purchases reached 2.87% of its US purchase volume within five months of go-live.
- Led a global gaming company's Stripe migration, analyzing the checkout funnel and guiding fixes that outperformed its previous provider's conversion rate; led Asia expansion, reaching 55 countries and handling 100% of the company's global payment volume through Stripe.
- Serve as EMEA Terminal expert across ~15 concurrent projects, unblocking a UK retailer's move from an 80-reader pilot to a 3,200-reader production purchase; introduced AI ticket routing to bypass cross-region triage.
- Developed an AI workspace with always-on agents to accelerate customer delivery and reduce mental workload; reached 83 weekly users across global Professional Services and cut timesheet completion time by up to 85%.
- Designed an AI-assisted hackathon model for integrations across four Stripe products, shortening a customer engagement from the typical four months to six weeks; adopted globally as the default Professional Services offering.

Solutions Architect 03/2024 - 09/2025
Amazon Web Services *Paris, France*

- Designed and prototyped a smartphone grading solution using Amazon Bedrock for a major smartphone refurbishment group, benchmarking five vision models across 500 devices to standardize defect assessment; the design was subsequently implemented and adopted group-wide.
- Designed and built an AWS event staffing platform end-to-end, replacing manual spreadsheets and cutting staffing preparation from three weeks to one day; used by 2,300 unique employees across AWS events, including re:Invent.
- Redesigned the cloud architecture of a connected table football demo using AWS IoT services, enabling real-time game analytics over limited-bandwidth networks; showcased at nine international events, including AWS re:Invent.

Solutions Architect Intern 03/2023 - 09/2023
Amazon Web Services *Paris, France*

- Built and deployed a serverless knowledge platform that transcribed, segmented, and summarized internal AWS talks, making past sessions searchable; reached 90 weekly users.
- Earned all 12 AWS certifications available at the time during a six-month internship.

Site Reliability Engineer Intern 09/2021 - 01/2022
ANSSI - National Cybersecurity Agency of France *Paris, France*

- Built and deployed monitoring and alerting across ~450 service instances, integrating metrics, logs, and distributed tracing; enabled proactive incident detection and automated alerts to responsible teams.

Education

EPITA Paris, France
Master's Degree in Computer Engineering
Specialization: Systems, Networks and Security *2018–2023*

California State University, Los Angeles Los Angeles, California
Semester Abroad *2021*

Skills

Applied AI: LLM agents, MCP, RAG, vector search, multimodal models, LLM evaluation, LLM observability, structured outputs, tool calling, human-in-the-loop workflows
Engineering: TypeScript, Python, React, Next.js, SQL, REST APIs, Docker
Platforms: AWS, Amazon Bedrock, OpenAI API, Anthropic API
Languages: French native, English fluent