Dany Caissy

Senior Back-End Engineer | Cloud Architecture | High-Scale SaaS Systems

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🌐 Fluent in English, French and Spanish

Summary

Senior Back-End Engineer and Technical Lead with 15+ years designing scalable, high-performance systems across SaaS and consulting engagements. Specialized in AWS infrastructure, database optimization, and large-scale data platforms. Focused on performance, scalability, and infrastructure efficiency in production environments.

Experience

Lead Engineer

GeneFood | United States - Remote

Oct 2025 - Present

Lead engineer for a health-tech platform delivering personalized genetic and nutrition insights. Responsible for architecture, infrastructure, and product development across the stack.

- Designed and deployed full cloud infrastructure on Amazon Web Services (EC2, RDS PostgreSQL, S3, networking, CI/CD), owning the end-to-end deployment and release process.
- Reduced AWS infrastructure costs by 90%+ through rightsizing and architectural optimization.
- Led a small engineering team, driving technical direction, sprint planning, and production operations.
- Built and launched a customer-facing AI feature powered by OpenAI, implementing rate limiting, usage controls, subscription gating, and a complex Stripe-based billing integration.
- Improved platform security and moved the system toward HIPAA-aligned practices, strengthening data protection and infrastructure compliance.
- Full-stack development using Laravel (PHP, PostgreSQL) and Next.js / React.

Senior Engineer

Pinpointe | United States - Remote

Nov 2023 - Present

Back-End engineer for a high-volume email marketing platform processing billions of contacts and emails monthly. Focused on database performance and large-scale data processing.

- Optimized a 1TB+ MariaDB database, achieving 50–90% faster execution times on critical production queries through indexing, query refactoring, and selective denormalization.
- Reworked reporting systems operating on terabyte-scale datasets, improving aggregation efficiency and reducing database load.
- Refactored and scaled contact import pipelines handling billions of records per month, improving throughput and reliability in a legacy PHP codebase.
- Implemented automated integration tests covering ~100 API endpoints.

Lead Technical Interviewer
A.Team | United States - Remote

Jan 2022 – May 2023

- Designed and scaled the technical interview process for a high-end talent platform serving clients such as Pepsi, Kraken, Discord, and other enterprise organizations.
- Conducted 1000+ senior-level technical interviews (Engineers, PMs, CTOs) and built structured evaluation frameworks to be used by other interviewers.
- Built KPI dashboards using Retool, MongoDB, and SQL to support data-driven decisions.

Product Manager
Themeisle | Romania - Remote

Jun 2019 - Oct 2020 (1 year 5 months)

- First PM for WordPress plugins with 300k+ active users.
- Led data-driven product improvements using PostgreSQL, Metabase dashboards, and user-behavior analysis.
- Increased profitability and UX through roadmap ownership and cross-team collaboration.

Technical Expert (Mentoring, Grading, Project Management)
Chegg | United States - Remote

May 2016 - Oct 2019 (3 years 6 months)

Conducted 300+ technical mock interviews, mentored bootcamp teams on full-stack delivery and Scrum, graded coursework and capstone projects, and provided structured feedback.

Senior Software Developer
TapClicks | United States - Remote

Mar 2015 - Dec 2017 (2 years 10 months)

Early developer (#4) at a fast-growing marketing analytics startup. Built and optimized large-scale data ingestion systems and reporting pipelines for enterprise clients.

- Integrated ~100 external APIs (Facebook, Google DFP, Instagram, etc.) and developed automated ETL pipelines using PHP (Zend Framework) and Python to normalize complex third-party datasets.
- Designed and optimized complex relational schemas (hundreds of tables) and high-performance queries across 4TB+ Amazon Redshift databases (MySQL/PostgreSQL).
- Led a major data integration initiative, designing its architecture, defining data models and processing workflows, and driving implementation across multiple systems during rapid company growth.

Older experience on linkedin.com/in/danycaissy

Education

B.Sc. Computer Science — Université du Québec à Trois-Rivières (2012), Performance Scholarship