

ANTONIN RIBEAUD

Solutions Architect | Senior Software Engineer

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PROFESSIONAL SUMMARY

Technical leader with 10 years of experience building and scaling SaaS, AI, and cloud platforms. While formally titled as Tech Lead, Senior Software Engineer and Co-Founder, I have consistently performed **architecture responsibilities**: designing distributed systems, aligning business and technical stakeholders, and guiding adoption of new technologies.

Skilled in cloud architecture (GCP, Terraform, Docker, Kubernetes), microservices, and data pipelines (PostgreSQL, BigQuery). Experienced in Generative AI (LLMs, RAG, semantic search) and integrating AI into enterprise systems. Strong communicator with a record of mentoring engineers and working directly with clients. **Certified in Agile (PSPO)**, reinforcing client engagement, workshops, and pre-sales capabilities.

On the side: built apps reaching Top 5 in app stores, sold a Document AI project, and actively write about Generative AI while publishing open-source experiments — experience that strengthens my ability to explain complex technologies and show practical value to clients.

CORE SKILLS

- **Cloud & Infrastructure:** GCP, Docker, Terraform, Kubernetes, CI/CD (GitLab, GitHub Actions)
- **Architecture & Systems:** Distributed systems, microservices, high-throughput APIs, secure multi-tenant SaaS design
- **Data & Analytics:** PostgreSQL, BigQuery, DuckDB, ETL workflows, real-time reporting, performance tuning
- **AI & Search:** Generative AI (LLMs, RAG, semantic search), OCR pipelines, enterprise AI integration
- **Client & Stakeholder Engagement:** Requirements gathering, solution design, pre-sales support, workshops, stakeholder alignment
- **Engineering Leadership:** Hiring & onboarding, mentoring, code reviews, technical evangelism
- **Software Practices:** Scalability, reliability, performance optimization, security, compliance

WORK EXPERIENCE

Senior Software Engineer - Fullstack LLM and GenAI Engineer

L'Oréal, Paris, France

June 2024 – Present

- **Architected a large-scale** document AI platform to OCR, vectorize, and index **150M+ multilingual pages**, enabling secure knowledge access across global R&D teams.
- **Designed** high-throughput microservices on GCP (Cloud Run, Pub/Sub, Cloud SQL) scaling to **500k+ pages/day**, balancing **performance with cost efficiency**.
- **Led integration of semantic search and natural language filters** on ~450M vectors, improving retrieval accuracy for scientists and business users.

- **Defined solution design and technical roadmap** for “Chat with my Docs” interface, collaborating with stakeholders to ensure usability for 5k+ internal users.
- **Optimized data pipelines (SQL, BigQuery)** to reduce analytics query time by 70%, directly improving R&D productivity.

Senior Software Engineer - Fullstack Engineer

RelevanC, Paris, France

June 2021 – June 2024

- **Architected** adserving and analytics platform processing **400M+ events/month**, ensuring scalability and reliability for retail media clients.
- **Designed and optimized real-time KPI pipelines** (Python/SQL) to deliver sub-second insights, cutting reporting time from 50s to <500ms and reducing infra costs by 50%.
- **Led solution design for fault-tolerant ETL workflows** (PostgreSQL, BigQuery), enabling dozens of concurrent campaigns with zero data loss.
- **Partnered with business stakeholders** to shape campaign dashboards in React/TypeScript and Node.js, reducing setup effort by 50% and improving client adoption.
- **Defined CI/CD best practices** (GCP, Docker, GitLab) to guarantee reliable, zero-downtime releases for customer-facing systems.

Foundingbird – Solutions Architect (Founding CTO)

Kuala Lumpur, Malaysia

August 2019 – Jun 2021

- Developed end-to-end SaaS platform for company incorporation, banking, and accounting used by 300+ businesses in Malaysia.
- Automated incorporation workflows in Python/Node.js, reducing processing time from 2 weeks → <24 hours.
- Designed secure multi-tenant architecture with role-based access, encrypted data storage, and compliance with Malaysian regulations.
- Implemented full-stack features (React/TypeScript, FastAPI, PostgreSQL) supporting onboarding, payments, and document management.
- Built CI/CD pipelines (Docker, GitLab) to enable rapid iteration and reliable deployments.
- Hired & led the tech team.
- Sold in 2020.

Kaunto – Solutions Architect (Founding CTO)

Europe, US & SE Asia

September 2018 – June 2020

- Architected crypto accounting platform handling millions of transactions across 100+ currencies, with real-time FX reconciliation.
- Designed ingestion pipelines (Node.js, PostgreSQL, MongoDB) for high-throughput wallet and smart contract synchronization.
- Delivered compliance and reporting features including automated tax calculations, audit logs, and financial reports for institutions.
- Developed dashboards (React/Redux) to provide instant P&L and portfolio visibility to clients.
- Engaged with global partners and stakeholders (EU, US, SE Asia) to ensure technical solutions met diverse regulatory requirements.
- Invited to G20 2019 in Osaka to attend the Virtual Asset Summit, ask me about it !

Deezer - Senior Software Engineer

Paris, France

July 2017 – September 2018

- Defined frontend gold standards and evangelized React/Redux adoption across the company, driving modernization of the global web platform serving 14M+ users in 180+ countries.

- Re-architected core components (playlist module), reducing code size by 25% and improving maintainability and performance.
- Collaborated with product stakeholders to ensure frontend improvements aligned with user experience goals.

Matters - Software Engineer

Paris, France

July 2016 – September 2017

- **Architected and delivered** React Native apps for carsharing, rental, and ride-hailing platforms with thousands of daily active users.
- **Integrated booking, live tracking, and payment flows**, ensuring reliability under high usage.
- **Owned the full release cycle**: merging code, finalizing builds, and distributing stable iOS releases to testers and customers.
- **Automated build pipeline** (Fastlane, Xcode), reducing release effort from days to hours.

Jolicloud - Junior Software Engineer

Paris, France

October 2014 - July 2016

- Developed unified cloud storage platform integrating Dropbox, Google Drive, OneDrive, Box, Evernote, and Flickr.
- Migrated production frontend from Backbone to React, ensuring zero downtime for 50k+ users.
- Improved UX and file sync performance.

EDUCATION

Master's degree in Computer Science

EPITECH – European Institute of Technology - Paris France

California State University San Marcos

Computer Science - Paris, France

CERTIFICATIONS

- **Professional Scrum Product Owner (PSPO)**
- **Sales Techniques (Cardea Patrimoine)**