

Augustin Bengolea



Full-stack Engineer ♦ Regulated Industries ♦ AI Tooling

✉ augustin.bengolea@gmail.com ♦ ☎ +33 6 22 63 26 43 ♦ [LinkedIn](#) ♦ [GitHub](#) ♦ [Journal](#)

Skills

Backend: Java, Kotlin, SQL, Spring, Convex

Frontend: Typescript, React, Next.js, Astro

Languages: French/Spanish (Bilingual), English (Fluent)

DevOps: GitLab CI, GitHub Actions, Docker, Linux

Quality: tests (unit→E2E), lint, typecheck, architecture rules

AI: LLMs, agents, orchestration, tooling → [my plugins](#)

Projects

Outillage IA & orchestration d'agents

2022 – Present

Personal methodology for AI-assisted development — planning, autonomous execution, verification.

- Designed plugins for AI agents, from multi-agent orchestration to development-cycle automation
- Applied full-stack R&D from mockup to deployment, including photography SaaS POCs and Vision LLMs visual audit
- Public sharing across projects, including Claude Code plugins and an AI journal/blog on lessons learned

Experience

Pleenk Full-Stack Engineer

Mar 2025 – Jun 2025 [Kotlin](#) [Spring](#) [Next.js](#)

Fintech solution for highly regulated sectors, in product structuring phase.

- Profile modification traceability via validation workflow with visual categorization, accelerating triage while ensuring KYC integrity.
- Redesigned onboarding flow with contextual guidance, improving user experience while reducing support tickets.

Softway Medical Scala Engineer

Feb 2024 – Nov 2024 [Scala](#) [Java](#) [GitLab CI](#)

Service interfacing with the Shared Medical Record, subject to healthcare compliance requirements.

- Built an E2E testing framework integrated into CI, combining multiple tools through an orchestration layer to speed up releases and detect regressions earlier.
- Health standard-compliant exchange flows (CDA R2, DICOM, HL7) ensuring interoperability between hospital software and the Shared Medical Record.

Disneyland Full-Stack Java Engineer

Feb 2023 – Nov 2023 [Java](#) [Spring](#) [AngularJS](#)

Park application infrastructure, managing reservations across service types and providing data access for guests.

- Designed and built the Magic Pass app's API gateway, unifying access to legacy systems spanning 30 years of Disney IT evolution. Adopted park-wide after successful hotel pilot.
- Proactively identified and resolved booking back-office bottlenecks (caching, database, frontend), improving Cast Member experience.

Orange Full-Stack Engineer

Mar 2021 – Feb 2023 [Java 8](#) [Spring](#) [Struts](#)

Internal legal compliance application processing sensitive data on secured infrastructure.

- Enhancements to a legal requisition tool enabling responses to external authority requests via data extraction and reports on high-volume database.
- Stabilization methodology to unblock a critical legacy application at standstill for a year, release delivered in 4 months.
- Industrialized delivery pipeline on secured infrastructure without direct access: documented and tooling release standard, aligning development and operations to improve release reliability.

Domnexx Full-Stack Engineer

Sep 2019 – Sep 2020 [Meteor](#) [Node.js](#) [MongoDB](#)

SaaS/IoT environmental monitoring platform, developed with high autonomy in a startup context.

- Developed key platform features: air-quality monitoring, mobile installation flow, and DataViz components.
- Improved release reliability through end-to-end automated testing with report generation.

Education

MSc Computer Science (UGA, 2020) ♦ BSc Computer Science (UQTR, 2015) ♦ Associate degree in CS (UPMF, 2013)