Nicolas Champenois

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Profile

Tech Lead | Senior Developer — Java / Spring · Linux · CI/CD · Automation · Production · AI-Assisted Dev

Over 20 years of experience in designing business applications, refactoring complex legacy codebases, Linux environments, and production operations. Autonomous and pragmatic, I combine strong coding skills, release industrialization, and daily integration of AI tools and agents into development workflows.

Key Skills

Backend Dev: Java, Kotlin, Spring Boot, Spring Batch, Node.js/NestJS, Python, PHP/Symfony, REST APIs

Systems, CI/CD & Delivery: Linux, Bash, Git, GitLab CI/CD, Docker, Maven

Databases: PostgreSQL, Oracle, MySQL, SQL Modeling & Queries

Architecture & Quality: Modular Design, Code Reviews, Refactoring, Git Workflow, Release Management, Jira

AI-Assisted Dev: AI Agents (Claude Code, Codex, Antigravity), MCP Servers, Code Review & Security Audits

Frontend: Angular, JavaScript / TypeScript, HTML / CSS, Bootstrap

Professional Experience

Tech Lead / Senior Developer — *Turboself*

Ingré (45), France
Apr 2024 – present

Technical leadership and development within a 9-developer team on a Java/Spring, Node.js, and Angular solution deployed across 4,000 Linux servers in schools.

- **Development, refactoring & code quality:** taking over and structuring multi-product codebases to simplify maintenance, reducing technical debt, resolving critical issues, code reviews, and pre-merge quality control.
- **AI-assisted dev:** daily integration of AI agents (Claude Code) into the development cycle to accelerate security audits, refactoring, and issue resolution, with maintainability oversight.
- **Linux operations tooling & automation:** development of Python / Bash tools for diagnostics, centralized monitoring, and server maintenance; contribution to master image preparation.
- **Industrialization & Git workflow:** branch organization (prod → staging → dev), reliable GitLab CI/CD pipelines and releases.
- **Technical coordination & delivery:** specification scoping with the team, release planning, and pilot-phase tracking through general availability alongside technical support and QA teams (Jira).
- *Environment:* Java, Kotlin, Spring Boot, Spring Batch, Node.js, Angular, Linux, Python, Bash, GitLab CI/CD, Docker, Maven, PostgreSQL, Jira, Claude Code.

Senior Fullstack Developer / Lead — *Bivolis*

Paris, France
2006 – 2024

Employee (2006–2010), then independent contractor (2010–2024, 14 years). Design, development, and maintenance of custom business applications from client requirements to production; Linux server administration (Apache, mail, firewall, Git).

- **Java / JEE / Spring:** automotive dealership inventory audit platform (daily batch import, automated scheduling, mobile API), commercial real-estate ERP (scheduling, quotes, invoicing, bank integration), medical repatriation tender management.
- **PHP / Symfony & Python / Flask:** theatrical film distribution platform connecting distributors and cinemas, and BitTorrent-based film delivery service.
- **Mobile:** iOS dealership inventory audit application (2011–2022), cross-platform rewrite in Flutter (2020–2021).

Fullstack Developer (alongside Bivolis) — *Independent Consulting*

Remote
2013 – 2022

- **GMF — Metrology Department (2014–2022):** interactive data reporting platform and production KPI dashboards (PHP / Symfony, Highcharts, DataTables), user training.
- **Camp France (2016):** B2B order management platform (PHP / Symfony).
- **Nuxia (2013):** production quality-control reporting application (PHP / Symfony).

Software Developer — *Assurance Maladie Centre*

Orléans (45), France
Apr 2002 – Apr 2006

- Internal productivity tools in Java and PHP (IT asset management, room booking, intranet) and Linux / Windows system administration.

Personal Project

GivOps — Software Release Visibility & Delivery Platform

Design and development of a modular platform connecting Git repositories, code forges, issue trackers, and deployments (givops.io).

- Unified tracking of versions, branches, changelogs, tickets, and multi-project deployments; web matrix, REST API, and MCP server.
- Isolated vendor connectors via an open-source Java SDK (**Adapter SDK**: GitLab, GitHub, Jira, YouTrack) and release delivery via **publishd-runner** or CI/CD pipelines.
- *Environment:* Java 25, Spring Boot 4, Angular 22, PostgreSQL, Docker.

Education

DUT — Computer Science (2-year university technology degree), *Université d'Orléans* 2000 – 2002

Baccalauréat — Scientific track, Engineering Sciences (SI), *Lycée de Beaugency* 1999 – 2000

Languages & Interests

Languages: French (native), English (fluent), Spanish (intermediate)

Interests: Triathlon, Mountain biking | Travel, Nature | Technology, Science & Sci-Fi | Board games