Gildas Le Drogoff

Full Stack Developer / Systems Administrator

Paris, France

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Profile

Full Stack Developer focused on backend engineering and infrastructure. Experience building production applications with Java, Kotlin, PHP, TypeScript, and Python, with emphasis on maintainable architectures and strong test coverage.

Experienced in Linux system administration and infrastructure deployment using Docker, Kubernetes, and Nginx. Familiar with automation tools (cron, Ansible) and monitoring stacks.

Background also includes IoT and embedded development using MQTT, STM32 and Android (Kotlin). Collaborative development in Agile environments with Git and Jira.

Personal Projects

2024 | **decisions-administratives.fr**
Search engine for French administrative case law (Administrative Courts, Courts of Appeal, Conseil d'État).

Technologies: Angular, TypeScript, SCSS, Laravel, OpenSearch, Kubernetes, Rust, CI/CD, Nginx.

Implementation of indexing and full-text search for Conseil d'État open data. Advanced filtering by jurisdiction, legal outcome, articles and lawyers. REST API using Laravel with OpenSearch configured for French language analysis. Angular frontend with progressive loading and filtering. Self-hosted Kubernetes infrastructure with Rust-based CI/CD and Nginx reverse proxy.

Professional Experience

04/2025 - 09/2025 | **Clariance Spinevision**, Paris, France
IoT & Android Developer (Kotlin / Jetpack Compose)
Development of an Android application interfacing spinal IoT medical devices.

Technologies: Kotlin, Jetpack Compose, MQTT, STM32, Python, OAuth 2.0.

Real-time visualization of biomechanical data via MQTT. Optimization of STM32 and RSL10 firmware. Concurrency using Kotlin Coroutines and Flows. Latency reduction through Python analysis tools. Implementation of OAuth 2.0 / PKCE authentication and Room persistence. Unit and integration testing with JUnit. Writing technical specifications for external R&D contractors.

12/2023 - 05/2024 | **OUTsiders**, Paris, France
Full Stack Developer (Freelance)
Complete redesign of the company website.

Technologies: Laravel, PHP, PostgreSQL.

Implementation of a Laravel back-office enabling autonomous management of memberships, bookings and content. Performance improvements through SQL optimization (indexing, partitioning, window functions) and database normalization (3NF).

2022 - 2023 | **Hello-Syndic**, Levallois-Perret, France
NestJS / React Developer (Apprenticeship)
Development of property management software.

Technologies: NestJS, React, Redis, Docker, TypeScript.

Implementation of a modular NestJS architecture. React interfaces for operational workflows. Asynchronous processing of heavy tasks using Bull and Redis. Integration of relational and NoSQL databases.

Education

2024 - 2025 | **CNAM**, Paris, France
Professional Bachelor's Degree — Decision Support Information Systems Analysis & Design

2021 - 2023 | **Épitech**, Paris, France
Full Stack Developer Degree

Technical Skills

1. Programming: Java, Kotlin, PHP, TypeScript, Python, Rust, Bash
2. Frontend: Angular, React, SCSS, Tailwind CSS
3. Backend: NestJS, Laravel, Symfony, Django
4. Mobile: Android (Kotlin, Jetpack Compose)
5. Databases: PostgreSQL, MariaDB, Oracle, OpenSearch
6. Infrastructure: Kubernetes, Docker, Nginx, Ansible, CI/CD
7. IoT / Embedded: MQTT, STM32, BLE, RSL10
8. Tools: Git, Jira, Kibana, systemd
9. Operating Systems: Linux (advanced), Windows

Languages

1. French — Native
2. English — Professional
3. Chinese — Basic

Interests

1. Swimming and water polo
2. Hiking
3. Volunteer work — AIDES (public health NGO)