

# Pierre Le Gall | Full-stack Developer

Nantes, France

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## Basics

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- Software engineer with a broad background spanning web development and systems programming
- Growing expertise in Elixir and Rust, with a solid background in TypeScript and Node.js
- Proficient with AI-driven development tools and workflows
- Experienced in Agile environments and technical mentoring, Professional Scrum Master 1 certified
- Cybersecurity-aware across technical and organizational concerns, ISO/IEC 27001 Foundation certified
- Open-source enthusiast and GNU/Linux user since 2005

## Languages

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**English:** Professional Proficiency

**French:** Native

## Skills

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**Backend & Systems:** Advanced

**Keywords:** Elixir, Rust, Node.js, Java, PHP, Ruby, Python, Shell

**Frontend:** Advanced

**Keywords:** TypeScript, JavaScript, React, Angular, Svelte, Tauri

**Databases:** Advanced

**Keywords:** PostgreSQL, MySQL, MongoDB, ETS

**DevOps & Cloud:** Intermediate

**Keywords:** Fly.io, AWS, Docker, Podman, Linux

**Cybersecurity:** Foundational

**Keywords:** ISO/IEC 27001, Networking, Log Management

**AI-driven Tools:** Intermediate

**Keywords:** Coding assistants, Agent skills, MCPs, Spec-driven

## Work

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### Strument.in

*Independent*

*Sep 2023–Present*

Design of a platform for discovery, promotion and management of live musical events; with the following objectives:

- Clear view of the local live music scene and upcoming events
- Contact facilitation between organizers, artists and venues
- Free and open-source access for everyone

Activities:

- Needs analysis and definition with live musical scene actors and public
- Development (web back-end & front-end)
- Test automation
- CI/CD management
- Iteration with prototype testers

Concurrently:

- Agility and project management training, Professional Scrum Master 1 certification passed
- System and cybersecurity training, ISO/IEC 27001 Foundation passed
- Multiple open source contributions (see GitHub)

**Keywords:** Elixir, Phoenix, Ash, Svelte, TypeScript, Tauri, GitHub Actions, Fly.io, Scrum, Cybersecurity

## **Gens de Confiance**

*Software Engineer*

*Jan 2023–Aug 2023*

Member of the vacation rental section of the Gens de Confiance platform:

- Participation in Scrum team rituals
- Development (web back-end & front-end)
- Documentation
- Test automation
- Code reviews

**Keywords:** Scrum, TypeScript, React, Next.js, PHP, Symfony, MySQL

## **Zenika**

*Web Developer (consultant)*

*Feb 2018–Jul 2020*

Missions as consultant:

- Groupama: maintenance and development of the personal customer insurance portal (Scrum, Java, Spring, Angular)
- Manitou Group: development of a mobile web application for internal communication (TypeScript, Angular, Ionic, Firebase)
- Informatique Banque Populaire: development of an internal quality tracking tool assessing IBP's ability to migrate to Cloud services (Scrum, TypeScript, Angular, Node.js, PostgreSQL, AWS)

Mission as trainer:

- Course material updates and audience adaptation
- Training delivery
- Topics covered: JavaScript, RxJS and Git

**Keywords:** Scrum, TypeScript, JavaScript, Node.js, Angular, Java, Spring, Ionic, Firebase, PostgreSQL, AWS

## **SII**

*Web Developer (consultant)*

*Oct 2016–Feb 2018*

Mission as consultant for Energiency: an energy consumption monitoring platform for industrial facilities:

- Participation in Scrum team rituals
- Development (web middleware & front-end)
- Documentation
- Test automation
- Product reviews

**Keywords:** Scrum, Node.js, JavaScript, Angular, MongoDB

## **Télécom Santé**

*Web Developer*

*Sep 2014–Aug 2015*

Member of the MediaScreen team, working on the TV/tablet product for hospital room patients:

- Development (web back-end & front-end)
- Documentation
- Manual test suite management
- New version testing before release

**Keywords:** Node.js, JavaScript, MongoDB, TestLink

## **Thalès Systèmes Aéroportés**

*Web Developer (student)*

*Jan 2013–Aug 2014*

Member of the repair workflow tracking system team:

- In-house user support on the legacy system based on Excel and Access
- New tracking system design with web technologies
- Web development (back-end & front-end)
- Documentation

**Keywords:** PHP, Symfony, JavaScript, ExtJS, MySQL

## Certificates

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### ISO/IEC 27001 Foundation

*PECB*

*Sep 2025*

### Professional Scrum Master 1

*Scrum.org*

*Mar 2024*

## Education

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### Université de Bretagne Occidentale (Brest, France)

*Master, Human-Centered Computing*

*Sep 2015–Jun 2016*

Research master's at the intersection of computer science and the humanities, focused on interactive system design and artificial intelligence. Final internship included a literature review on the state of the art in internal and external Domain-Specific Languages (DSLs) and a prototype bridging different DSL forms.

### Université de Bretagne Occidentale (Brest, France)

*Master, Information Technologies and Software Engineering*

*Sep 2013–Jun 2014*

Master's focused on the design and development of software systems, covering programming languages, architectures and software engineering methodologies.

### Université de Bretagne Occidentale (Brest, France)

*Bachelor, Software Developer*

*Sep 2011–Jun 2012*

Bachelor's covering the fundamentals of programming and software development, with a multidisciplinary approach to information technologies.

### Lycée Saint-Louis (Châteaulin, France)

*Associate, Business Application Developer (BTS in Computer Science)*

*Sep 2009–Jun 2011*

Initial training in software development fundamentals: algorithms, object-oriented programming, database design and web development.

## Interests

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**Music:** DJing, guitar, bass guitar

**Sports:** kung fu, dancing, hiking

## Volunteer

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### Dripping Tales Record

*Website maintainer and DJ*

*Jul 2025–Present*

- UI design, development and maintenance of the record label's website
- DJ sets at events

### Dystopsy Elements

*Harm reduction coordinator and DJ*

*Jun 2024–Present*

- Harm reduction volunteer team coordination
- DJ sets at events

**Tempus Fugit***Organizer and DJ**Oct 2023–Present*

- Communication with artists
- Scenography setup
- Event ticketing management
- DJ sets at events

**KFAN***Kung fu practitioner**Sep 2016–Present*

- Kung fu practice
- Event organization support

**Linux Quimper***IT technician and trainer**May 2006–Feb 2012*

- GNU/Linux installation on recycled computers
- Training of novice users about computing
- Free Software philosophy advocacy