Pierre Le Gall | Full-stack Developer

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Basics

- 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

English: Professional Proficiency

French: Native

Skills

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

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

ISO/IEC 27001 Foundation
PECB *Sep 2025*

Professional Scrum Master 1
Scrum.org *Mar 2024*

Education

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

Music: DJing, guitar, bass guitar

Sports: kung fu, dancing, hiking

Volunteer

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