



Pierre Payet

Fullstack Software Engineer | 4+ years of experience

✉ pierre.payet@outlook.com

☎ +33 7 67 47 49 64

🔗 <https://pierrepayet.dev>

🏠 Lyon, France

📍 Open to remote work or international relocation

🌐 @pierre-payet-457476136

🐙 @p-payet

About

Product-oriented fullstack engineer with over 4 years of experience across startup, public sector, media, and SME environments. Specialized in TypeScript and Node.js, I design and build web applications and APIs used at scale, from conception to production maintenance. Self-driven and proactive, with a strong focus on product impact, code quality, best practices, testing, and close collaboration with product and business teams.

Professional Experience – Employment

- **Full-Stack Software Engineer – Permanent Contract**
Jan. 2025 - Dec. 2025 Inicio Lyon, France (full remote)
Paris-based startup developing an algorithm to identify high-potential sites for photovoltaic projects through large-scale territorial analysis, and building a SaaS platform used by solar developers across Europe.

Key achievements:

- Developed an interactive map (Mapbox, GeoJSON) for visualizing electrical substations across France, generating strong client enthusiasm.
- Led an architectural refactoring of the main product page (frontend & backend), reducing load time from ~4s to near-instant.
- Delivered business-oriented fullstack features: integrated chat with notifications (AWS SES), admin dashboard empowering the Sales team to operate autonomously.
- Set up monitoring metrics (AWS CloudWatch) and led a Software Craftmanship book club (TDD, Clean Code).

Technologies: TypeScript, Node.js, NestJS, React, Jest, TypeORM, Docker, AWS, JetAdmin, Hexagonal Architecture, monorepo

Education

- **Master of Science (MSc) in Technological Innovation**
Sept. 2020 - Aug. 2022 Epitech Lyon, France
- **Bachelor's Degree in Computer Science**
Sept. 2019 - Aug. 2020 Université Claude Bernard Lyon 1 Lyon, France
- **Two-Year Technical Degree (DUT) in Networks & Telecommunications**
Sept. 2016 - Aug. 2018 Université Savoie Mont Blanc Annecy-le-Vieux, France

Languages

French
Native

English
Professional proficiency (written and spoken)

Professional Experience – Employment

Full-Stack Software Engineer – Work-Study then Fixed-Term Contract

Sept. 2021 - Dec. 2022 Euronews Lyon, France (hybrid remote)

Pan-European multilingual international news channel broadcasting 24/7. Work-study program followed by a fixed-term contract within the Software Design and Development team, responsible for designing and maintaining internal tools, including the custom-built CMS used by journalists to write and publish articles on the Euronews website.

Key achievements:

- Developed and improved features across internal tools, platforms, and backend APIs in Node.js.
- Developed and validated a POC for migrating a local Elasticsearch instance to AWS OpenSearch by adapting backend services, replacing client libraries, and rewriting data connectors – which the team then used to execute the full production migration.
- Wrote a Python script for large-scale data migration (≈ 20 TB) to AWS S3.

Technologies: Node.js, TypeScript, Express.js, Angular, Jest, Sequelize, AWS, OpenSearch, SQL, Python

Full-Stack Software Engineer – Work-Study

Sept. 2020 - Aug. 2021 Synergies-Tech Saint-Priest, France (hybrid remote)

SME specializing in after-sales maintenance of automated mechanical systems, with an internal mobile application enabling field technicians to complete and submit their intervention reports in real time. Sole developer in the company.

Key achievements:

- Improved and maintained a business mobile application with ERP API integration.
- Developed and integrated custom modules for the open-source ERP Dolibarr.
- System and network administration.

Technologies: Vue.js, Sequelize, PHP, Hyper-V, Dolibarr

Technical Skills

Versatile Programming Languages

JavaScript, TypeScript, SQL, Python

Backend Architecture & System Design

Node.js, NestJS, Express.js | RESTful API design & implementation | PostgreSQL, MySQL, TypeORM, Sequelize

Modern Frontend Development

React, Next.js, Vue.js, Nuxt.js, Angular | HTML5, CSS3, Tailwind CSS

Testing & Software Quality

Unit testing (Jest), integration testing | Clean Code, SOLID principles, Hexagonal / Clean Architecture | Code review, pair programming | Technical documentation

DevOps & Tools

Docker | AWS (CloudWatch, S3, EC2, SES) | Git (GitHub, GitLab), Monorepo | Linux environments

Methods

Agile, Scrum (sprint planning, daily stand-ups, retrospectives) | Cross-team collaboration (Product, Design, QA) | Full remote environments

Strengths

Proactivity and autonomy

Teamwork

Problem-solving

Priority and time management

Adaptability

Effective communication

Continuous learning

Professional Experience – Freelance

Full-Stack Software Engineer – Freelance

Since Dec. 2025 Adtractive Group Lyon, France (full remote)
Client operating several hundred digital advertising screens across France, seeking to integrate an embedded AI module (edge AI) into its screens to dynamically adapt displayed advertisements based on viewer demographics, while collecting anonymized statistics through the existing Cloud platform.

Key achievements:

- Designed the end-to-end technical architecture (Edge AI module communication, Player, RESTful API, AWS Cloud, Web platform) for a dynamic ad targeting system deployed across hundreds of digital screens.
- Developed the fullstack AI-driven broadcast logic: real-time preloading, synchronization, configuration interfaces, and statistics endpoints.
- Built an anonymized demographic data pipeline (edge to Cloud) with a performance dashboard and a robust fallback system ensuring broadcast continuity.

Technologies: React, Node.js, Express.js, RESTful API, MariaDB, Sequelize, AWS, Jest, Electron, Raspberry Pi

Full-Stack Software Engineer (Frontend-focused) – Freelance

Mar. 2023 - Jan. 2025 Métropole de Lyon Lyon, France (hybrid remote)

Joined the development team of [laclasse.com](#), a Digital Workspace (ENT) providing educational, collaborative, and communication tools used daily by teachers, students, parents, and non-teaching staff across public schools in the Lyon metropolitan area.

Key achievements:

- Created an App Store-inspired feature catalog, improving discoverability and adoption of tools across schools.
- Developed new components for the form builder (multiple-choice grid), enriching teachers' pedagogical capabilities.
- Ongoing feature development and bug fixes, with close collaboration with product and design teams.

Technologies: TypeScript, Web Components, SQL, PHP, Docker

Interests

Running

Trail, half-marathon, marathon training

Strength training

Chess

chess.com and lichess

Reading

Personal web projects