



# Sang PHAM

## Fullstack Java / React Developer

Developer specialized in designing and building business-oriented web applications, with strong expertise in Java / Spring Boot for the backend and TypeScript / React for the frontend.

Java

TypeScript

Spring Boot

React

### CONTACT

#### TÉLÉPHONE

+33 6 34 40 55 15

#### EMAIL

tqs.pham@gmail.com

#### LINKEDIN

[www.linkedin.com/in/tq-sang-pham](http://www.linkedin.com/in/tq-sang-pham)

#### SITE WEB

[www.lightdevops.com](http://www.lightdevops.com)

### SKILLS

#### Back-end

Java

Spring Boot

Kafka

DDD

#### Front-end

TypeScript

React

Next.js

#### Databases

SQL

PostgreSQL

MongoDB

#### Testing & Quality

JUnit

Mockito

Jest

Cypress

Playwright

TDD

BDD

#### DevOps & Cloud

Docker

Kubernetes

GitLab CI

ArgoCD

#### Observability & Monitoring

Dynatrace

Grafana

ELK Stack

#### Agile methodologies

Scrum

Kanban

### LANGUAGES

French

C1 – Advanced

English

B2 – Upper Intermediate

### EDUCATION

#### PhD – Materials Science

2014 - CEA

#### Mechanical Engineering

2011 - UTT

### PROFESSIONAL EXPERIENCE

#### SFEIR — Consultant

05/2024 – Présent

##### LCL — Back-end Developer

07/2024 – Présent

PSD2 API enabling licensed third parties to access customer accounts, retrieve data, and initiate payments with customer consent

- Design secure Open Banking APIs compliant with PSD2 (OAuth2, certificates, consent management)
- Implement critical enhancements for high-volume banking services (bulk transfers, corporate payments, delegated access management, ...)
- Support third-party payment providers in API integration (diagnostics, troubleshooting)
- Deploy and monitor distributed microservices (Kubernetes, observability)

Java · TypeScript · Spring Boot · Node.js · Microservices · Kafka · MongoDB · JUnit · Mockito · Jest · Playwright · Docker · Kubernetes · GitLab CI · ArgoCD · Dynatrace · Grafana · ELK · Agile Scrum

##### Auchan — AI Developer

05/2024 – 07/2024

Generative AI chatbot for customer support using Gemini

- Improve response relevance using RAG with multilingual embeddings
- Optimize retrieval pipelines (multi-query, reranking, similarity search)
- Design advanced prompt engineering strategies (CoT, self-consistency)

Python · FastAPI · TypeScript · React · Next.js · LangChain · PgVector · GitLab CI · Agile Kanban

#### VIVERIS — Consultant

07/2022 – 05/2024

##### CFA numiA — Lead Front-end Developer (promoted in May 2023)

10/2022 – 05/2024

Web platform izia-numia.com dedicated to apprenticeship program tracking

- Define front-end architecture (React, Redux)
- Establish quality standards and best practices
- Lead and mentor a team of 4 developers (code reviews, coaching)
- Optimize performance and refactor codebase

TypeScript · React · Redux · Jest · Cypress · MUI · PostgreSQL · GitLab CI · Agile Scrum

##### BRGM — Back-end Developer

07/2022 – 05/2024

API for soil and subsoil data

- Design APIs for scientific data management
- Model data and design UML diagrams
- Develop and deliver back-end services (Spring Boot)
- Collaborate with Ops and Front-end teams on deployment and testing

Java · Spring Boot · Hibernate · PostgreSQL · Pulsar · Docker · GitLab CI · Agile Kanban

#### AFPA — Career Change — Web Developer

10/2021 – 06/2022

#### MCA — Client Actemium — Mechanical Design Engineer

03/2019 – 06/2021

#### IJL — Scientific R&D — Python Developer

06/2017 – 02/2019

Desktop software dedicated to X-Ray image processing and analysis

- Design and develop a desktop application
- Optimize image processing algorithms
- Disseminate results through publications and presentations

Python · Tkinter

#### UTT — Scientific R&D — Mechanics and Materials

01/2015 – 05/2017