Julien JANVIER

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Freelance Software Engineer with 15+ years of experience, I like to develop the right thing, the right way. I'm passionate about TDD, XP, DDD, decoupled architectures and agile & devops philosophies.

Experience

Tech Lead, Freelance – Oneytrust   Jan 2024 – Aug 2024

- Modernized a legacy application to make it Cloud Native and reliable. From one release every 5 months to one release by week.
- Stack: Continuous Delivery, PHP, Symfony, Oracle, XP, TDD, Gitlab CI, Docker, Legacy Modernization

Senior Software Engineer, Freelance – Skaleet   Sept 2022 – Dec 2023

- Built a credit offer for the core banking Skaleet: scoring system, offer management, disbursement
- Stack: PHP, MySQL, XP, TDD, Gitlab CI, Typescript, React, Docker

Technical Coach, Freelance – Akeneo   May 2023 – Oct 2023

- Coached 5 teams of 6 developers to Testing, Test Driven Development, Hexagonal Architecture and Refactoring.

Senior Software Engineer, Freelance – Edflex   Jan 2022 – June 2022

- Built a *json:api* API for partners and customers of the learning SaaS platform Edflex.
- Stack: PHP, Symfony, MySQL, XP, TDD, Docker

Senior Software Engineer, Freelance – Convelio   Jan 2021 – Sep 2021

- Refactored some legacy parts of the art logistics SaaS platform Convelio. Developed new features. Migrated of the email system to Mailjet.
- Stack: PHP, Laminas, MySQL, Datadog, XP, TDD

Akeneo Integrator, Freelance – Smallable   Aug 2020 – Dec 2020

- Integrated the PIM platform Akeneo into Smallable information system.
- Stack: PHP, Symfony, MySQL, Elasticsearch, XP, TDD

Staff Engineer – Akeneo   2018 – Jul 2020

Lead 3 squads toward SaaS, representing a total of 15+ engineers in direct collaboration with the CTO.

- Turned an on-premise 700K LoC application into a SaaS compatible one. From one quaterly manual release (3 weeks long, performed by 5 persons) to one semi automatic release by week (2 hours long, performed by 1 person).
    - Fixed stateful problems (sessions, files storage)
    - Dockerized and unified the tech stack, from developers' machines to QA and prod envs.
    - Built a continuous delivery pipeline allowing daily deployments.
    - Implemented a feature flag system for both frontend and backend.
- Reorganized a 700K LoC application to better serve the business needs and the 3 squads organization's. Used DDD strategic patterns. Conducted workshops with Product Managers and Head of Product.
- Migrated the handmade CI pipeline to Circle CI. Improved build time by 500%. Improved MTBF drastically.
- Stack: PHP, Symfony, Circle CI, Docker, Continuous Integration, Continuous Delivery, XP, TDD, DDD

Tech Lead – Akeneo   2016 – 2017

- Redesigned the core catalog modeling system in Akeneo PIM to be able to handle complex products
- Redesigned the product storage and search system in Akeneo PIM
    - Unified two different storage systems (MongoDB vs MySQL) into one (MySQL with JSON values for the products' flexible part)
    - Implemented a search products system with Elasticsearch
- Defined the training program for 20+ engineers. Planned sessions about testing, decoupled architectures and DDD.

- Stack: PHP, Symfony, MySQL, Elasticsearch, MongoDB, XP, TDD, BDD, DDD

Software Engineer – Akeneo   May 2014 – 2015
- Developed many features on Akeneo PIM
- Stack: PHP, Symfony, MySQL, MongoDB, XP, TDD, BDD

Software Engineer – Royal Canin   2012 – Apr 2014
- Released an application used by Royal Canin's Packaging department to automate the packaging production process for all of the brand's products
- Stack: PHP, Symfony, MySQL, TDD, BDD

Software Engineer – Wordline   2010 – 2011
- Implemented strong authentication modules for new banks
- Redesigned applications to significantly strengthen the encryption of sensitive data (use of 3DES and AES encryption algorithms)
- Participated in security audits as a developer interviewed on the "top 10 OWASP" project
- Stack: Java/J2EE, JSP, Spring

Software Engineer – Atos   2008 – 2009
- Customer European Commission:
  - Customized OpenSource PHP collaborative tools (Mediawiki, phpBB, Wordpress)
  - Developed, tested and administrated the PHP Drupal content management system
- Customer Groupama:
  - Migrated an insurance company data under Oracle using SQL and Java

Opensource & Personal Projects

Heure Perdue   **2024 – present**

Creator of heureperdue.fr, a calculator that helps you measure how much time wasted costs your teams.

TDD.sh   **2021 – present**

Creator of [TDD.sh](TDD.sh), a simple opensource CLI tool written in Go to enforce the TDD practice.

Nouba   **2021 – present**

Creator of Nouba, a mobile app developed with Dart, Flutter, Typescript and Firebase, which facilitates the organization of events with friends or family.

Akeneo   **2014 – 2020**

Contributor to the opensource PIM solution Akeneo, written in PHP and Symfony.

Sylius   **2013 – 2014**

Contributor to the opensource ecommerce platform Sylius, written in PHP and Symfony.

Education

Institut d'Administration des Entreprises, Tours, France   **2007 – 2008**
- Master 2 Administration des Entreprises

École Polytechnique de l'Université, Tours, France   **2004 – 2007**
- Diplôme d'Ingénieur en Informatique

Skills

Languages & frameworks:

PHP & Symfony, Go, Dart & Flutter, Typescript & Node

Databases

SQL, MySQL, Firebase, MongoDB, Elasticsearch

Methodologies

TDD, XP, DDD, BDD, Agile, Devops

Ops

Docker, Circle CI, Github Actions, Gitlab CI, Datadog