



# Thomas Vaillant.

DEVOPS ENGINEER · FREELANCE ONLY

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My goal is to make you successful in your DevOps transformation. The reduction of the time-to-value, the improvement of the quality and the Developer eXperience are my priorities.

I am a passionate developer attracted by the Ops, and I work from the architecture to the deployment to production, including the CI/CD and the Infrastructure as Code (IaC). Pragmatic, I am used to legacy environments and their constraints. On top of my technical skills, I am often seen as an appreciated change facilitator, thanks to my soft skills.

An ideal mission is a balance between pure development, your team's training, and some work on your DevOps culture and processes. This balance will let you ramp your transformation up while making it sustainable even after I leave. In fact, staying on for the long term is never an option for me. I usually stay between 2 months to 1 year.

## Technical skills

### ■■■ Development

- TypeScript, Node.js, React
- PHP
- MySQL
- MongoDB
- Elasticsearch
- Jamstack (Next.js)
- Clean Architecture
- Domain Driven Design

### ■■■ DevOps tools

- Docker
- Terraform, Terragrunt
- Ansible
- GitLab CI
- GitHub Actions, Travis CI
- Cypress, Puppeteer, Selenium
- JS ecosystem (Babel, Webpack, Lerna...)
- GitOps

### ■■■ Cloud & Ops

- Linux ecosystem
- AWS (certified)
- Kubernetes
- Docker Swarm
- ELK
- Prometheus

## Experience

### Freelance

#### BANKING SECTOR

- Deployment of a Cloud services internal marketplace

2019 – today

in progress

#### DOCEBO

- Architecture redesign to go from a mono-instance deployment to a multi-instance per region one
- Docker Swarm to AWS ECS migration. IaC with Terraform / Terragrunt
- Design and implementation of the new release strategy. Bitbucket / Bamboo to GitLab CI migration

3 months

#### SANOFI

- Creation and lead of the DevOps team of the newly created Digital Factory
- Creation of Docker base images, Terraform / Terragrunt modules, and training of the teams to IaC
- AWS ECS deployment and setup of the CI/CD on GitLab
- Implementation of a release strategy making GxP compatible with continuous delivery, thanks to the GitOps methodology
- Developer eXperience: development and deployment of Node.js internal tools

7 months

#### FORMETRIS

- Production infrastructure migration from bare metal to private cloud. IaC with Ansible
- Containerization of all the PHP and Node.js applications, deployment of Docker Swarm to production, training of the team
- Migration of PHP 5.3 to 7.2, refactoring, introduction of Clean Architecture and DDD

4 months

### Elgo

#### TECHNICAL CO-FOUNDER

- Development of 4 MVPs (Electron, Node.js, React / Redux)
- Deployment of the microservices architecture on a public cloud (Docker Swarm, Traefik, Ansible)
- Winner of the YCombinator Startup School grant and accepted to the W2020 batch interview

2019

6 months

## ForMetris

2015 – 2019

TECH LEAD, SRE

3 years

- Manager of 6 developers: hiring, training, individual follow-up
- Proxy Product Owner: User Story mapping sessions with the business team, roadmap owner
- Tech Lead: development, technical mentoring, team KPIs, quality processes
- SRE:
  - Co-responsible for the operations with the hosting provider, Infrastructure as Code with Ansible
  - Percona MySQL DBA (master/slave replication supervision, indices and backups optimization)
  - Development of the T.A.D.S. boilerplate open source project: iso-environment provisioning, deployment and test with Terraform, Ansible, Docker Swarm, and Vagrant

FULL-STACK DEVELOPER, PROJECT MANAGER

1 year

- Pre-sales, project management, and PHP, Zend Framework, Node.js development
- Challenges regarding technical debt, and Developer eXperience:
  - Automated acceptance tests setup (Puppeteer, Selenium)
  - Refactoring of the monolith by "APItization" + snapshot testing with Jest
  - CI/CD (Bamboo, Ansible, Ansistrano) and containerization of the development environment
- Production infrastructure refactoring:
  - Configuration Management / Infrastructure as Code with Ansible
  - ELK stack setup for logs management

FULL-STACK DEVELOPER (INTERNSHIP)

6 months

- PHP and Zend framework development. Development of a DSL and its parser
- Replacement of SVN by Git and introduction of a code reviews process

## 42stores

2014

FULL-STACK DEVELOPER (INTERNSHIP)

4 months

- Global revision of the e-commerce back-office: UX and back-end (PHP, Dotclear, jQuery)

## Dynamease

2014

SCRUM MASTER (INDUSTRIAL GRADUATE PROJECT)

part time · 6 months

- In charge of an 8 students team's project management. ISO 9001 project. Python development for OpenERP

## Education and certifications

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### AWS

2019

AWS CERTIFIED SOLUTIONS ARCHITECT - ASSOCIATE

### INSA de Rouen

2010 – 2015

ENGINEER'S DEGREE IN INFORMATION SYSTEMS ARCHITECTURE

- School board member, vice-president of the Student-Union, attended Les Entrepreneuriales (entrepreneurship competition)
- Development of the Student-Union's intranet (PHP)

### École Polytechnique de Montréal

2014

COMPUTER SCIENCE, EXCHANGE SEMESTER

- Cloud and Distributed Systems

## Other

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- Spoken English: professional level. Written English: fluent (TOEIC: 940)
- Open source projects:
  - Log4brains: the 100% docs-as-code architecture knowledge base
  - T.A.D.S. boilerplate: provision, deploy and test Docker Swarm with Ansible and Vagrant
  - Makedockfile: the Makefile to include in all your Docker projects!
- Sports: kitesurf, ultimate frisbee, running, tennis, cycling
- Passions: beer, sea, photography, new technologies, entrepreneurship
- MBTI profile: INTJ / ENTJ
- First aid: PSC1 diploma