



## Olivier Eeckhoutte

### Freelance

**Solution Architect/ Technical Lead/  
Senior Backend developer/ DevOps**

15+ years of professional experience  
Full Remote only

### PROFILE

I feel lucky to work in a field I am very passionate about and evolves quickly.

Passionated about new technologies and very curious, I like to design and develop useful solutions and solve complex problems.

I enjoy learning new things all the time, be more and more proficient, discover raw gems and share my new discoveries with others.

I spent 3 years in the USA.

### EDUCATION

**Engineer of “Ecole Centrale de  
Lille”, Graduated in 2011**

**Top Engineering School**

Entrepreneurship and Management  
Specialities

Member of **Iteem** program: Second  
diploma delivered by top Business  
school called Skema Business School

(Verification link: <https://www.centraliens-lille.org/fr/addressbook/fullsearch/index> )

### CONTACT INFORMATION

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Location: Morbihan, France

**Professional Blog:** <https://leandeep.com> (**Articles about my technical skills**)

**Linkedin:** <https://bit.ly/oeckhout> (**Detailed profile**)

### PROFESSIONAL EXPERIENCE

**Senior Backend Developer, Breitling, Switzerland**

Dec 2023 - Today

- *Building from the ground up Breitling's new e-commerce platform leveraging Saleor E-commerce Headless solution*
- *Development of event driven micro services in Python & GraphQL hosted in AWS on Kubernetes*
- *Pushing best practices (development, devops, tooling, practices) and proven working solutions from past experiences in an international team*

**Lead DevOps, TAG Heuer, Switzerland**

Nov 2019 - Dev 2023 (4+ years)

- *Developments of the cloud & python based middleware (custom Enterprise Service Bus) and API between the ecommerce website, Retail systems and lot's of internal backends systems —> More on this successful innovative platform here <https://bit.ly/3gs0EHY> and here <https://bit.ly/3C0hX9W>*
- *Developments of the custom made CIAM (Customer IAM) built on top of Keycloak using python + LDAP migration + Keycloak plugin development*
- *Contributed to a new Ecom headless platform and other Web based platforms*
- *Managed different Azure/ Kubernetes cluster builds and migrations*
- *Setup all kind of different DevOps automations (Terraform, CI/ CD, Automated Tests, Monitoring...)*
- *Creation of an enterprise cross-channels Business Activity Monitoring (BAM) using a data stack (i.e: pandas, streamlit...)*
- *Tons of problems solved*

## KEY SKILLS

### Architecture

Clean Architecture, CQRS, Serverless, Micro Services, API Gateway, Service Mesh, SOA, Message Oriented Architecture with topics and queues (Kafka, Azure Service Bus, RabbitMQ...) SQL (MySQL, Postgres), NoSQL (MongoDB, Redis, CouchBase, ElasticSearch, Influx, DynamoDB...) SSO (keycloak), OAuth2, OIDC, Vault, UML, IoT, Enterprise Workflows (Camunda), REST, GraphQL

### Data Science

**Python**, BigQuery, Machine Learning (scikit-learn, Pandas, TensorFlow/ Keras, Neural networks, FastAI, PyTorch), RPA, Scaping, Chatbots, AWS AI tools, Kubeflow, Prefect, Airflow

### DevOps/ Cloud

Azure, Amazon Web Services, GCP, Docker, Monitoring, Tests Automation, Linux (RedHat 7, CentOS, Debian), Continuous Delivery, Software Factory (Github, AWS CodePipeline, Gitlab, CircleCI, Azure Devops, Bitbucket...), Nginx, Kubernetes + custom dev operators, OpenShift (v3.6 to v4), Hub & Spoke Architecture, Terraform, 12 Factors

## PROFESSIONAL EXPERIENCE

### Senior Backend Developer (in parallel of my main job at TAG Heuer)

Sept 2023 - Jan 2023 (customer: DLG Group, Switzerland)

- *Marketing app (full backend realised from A to Z in Python and hosted in Google Cloud. I don't communicate on the details until it is officially launched)*

### Web3 trader/ Arbitrager (in parallel of my main job at TAG Heuer & then at Breitling)

Jul 2020 - Today (customer: myself)

- *Who better than yourself can take care of your finances ?*
- *As I don't believe banks or other financial institutions will really take care of my money I simply automate everything to make my personal portfolio grow by trading on crypto exchanges (CeFi and DeFi) and by building decision making bots*

### Co-Technical Leader, Engie Trading Center, Brussels

Apr 2019 - Nov 19 (6 months)

- *Create reusable and transversal tools for the developer teams (Data access management, automated end to end tests tools)*
- *Co-Technical Lead in an international team made of developers, data engineers & data analysts*
- *Migration OVH to AWS*

### DevOps, Adeo group, France

Feb 2018 - Apr 2019 (1+ year)

- *Setup and Manage large Platform As A Service (> 300 servers)*
- *Cloud Hybrid (On-Premise - Google Cloud Platform)*
- *DevOps, Cloud Native Architecture*
- *Trainings creation and animation (Kubernetes, CI/CD Tools, Openshift, Continuous Delivery)*
- *Agile Methodology training and technical evangelisation*
- *SRE (Site Reliability Engineering): development, automation, monitoring (Python, Ansible, Terraform, Prometheus...)*

## KEY SKILLS

### Blockchain

Nodes hosting, DeFi protocols,  
Advanced backend Web3 development,  
Solidity, Rust, Security, Hardhat, IPFS

### Web/ Mobile/ Backend dev

Javascript (Svelte, AngularJS, Angular  
2+, Ionic, Backbone...), SPA,  
Responsive Web Design, NodeJS,  
Webpack, HTML5 (WebRTC,  
WebSockets, Service Workers...),  
Cordova, iOS, Android, PHP, Java,  
TypeScript, Vue, Progressive Web Apps,  
TDD, BDD, DDD, Git, Python

### Project management/ Methods

Scrum, Kanban, Holacracy, Software  
Craftsmanship, Lean Management, Lean  
Startup, Design Thinking

### Ecommerce

Salesforce.com, Salesforce Commerce  
Cloud, Saleor, Adyen, Paazl, SAP oData,  
Cegid, Forter, Riskified, Cegid, Akeneo,  
Bynder, GlobalE, Yext and other  
ecommerce related SAAS (Mailchimp,  
Twilio...)

### Embedded dev/ Edge Computing

ESP32, Rust, Jetson Nano, k3s, balena,  
micropython, sensors, Raspberry Pi

### Finance/ Administration

Web3 trading, Administration: I manage  
my own company

## PROFESSIONAL EXPERIENCE

### Technical Leader (& Data Champion), SwissLife

Mar 2015 - Feb 2018 (3 years)

- *Technical Lead "Digital Solutions" (Design and development of the main customer portal)*
- *Transversal communities (Developers & DevOps) animator*
- *Dissemination of Agile & Software Craftsmanship + Continuous Delivery best practices*
- *Data Champion (Big Data /Machine Learning / Cloud migration contributor)*
- *Applicative Architecture Design*
- *Many innovation Studies and Proof Of Concept done*
- *Cognitive technologies referent*
- *Web & Mobile hybrid developments (Angular, Cordova, NodeJS)*

### Entrepreneurship (in parallel of my work at SwissLife)

Apr 2016 - Feb 2018

- *Design and development of IoT object to open gates with face recognition*
  - *Automatic Tensorflow Models trainings engine manageable with Web/ Mobile interface*
  - *Deep Learning on Mobile devices and OTA updates*
- *Trainer in Project Management with Scrum, Lean Startup and Holacracy (School: ISCOM)*
- *Innovation Workshop Organiser (School: ISCOM)*
- *Startup Advisor (Technology stack): (Company: LaFinbox)*
- *AngularJS, NodeJS in Test Driven Development trainer*

### CTO, Geophyle, France (startup of 15 people)

Mar 2014 - Mar 2015 (1 year)

- *Team Management (7 developers)*
- *Architecture, Design and development of the solutions*
- *Projet Management (Budget / Planning / Ressources)*
- *Recruiting*

## LANGUAGES

French ██████████  
English ██████████

## TRAININGS & CERTIFICATIONS

[I continue to learn continuously](#)

2024 In progress: CISSP certification (*I have always been deeply passionate by security*)

2021 Learn how to integrate Django with Vue.js, MOOC

2021 Ethereum and Solidity Developer Bootcamp, MOOC

2020 The Complete 2020 Ethereum and Solidity Developer Bootcamp, MOOC, Packtpub

2020 Learn to trade indexes, MOOC

2020 Forex trading with Ichimoku, MOOC

2019 Typescript fundamentals, MOOC

2019 Learning Blockchain Dev with EOS and C++, MOOC

2018 Google Cloud Platform introduction, Google, Lille

2017 Scalable Microservices with Kubernetes, Google, Lille

2017 Running Container Clusters with Kubernetes, MOOC

2017 Lean Management Introduction, Advanced Path, SPOC, certif.

2017 Data Science, Advanced level, OCTO, Paris

2016 Introduction to statistics with R, MOOC

2016 Data Science foundations, OCTO, Paris

2016 Apache Spark essentials, MOOC

2016 Udacity, Georgia Tech, Kaggle, NanoDegree

Program: 420h of online training about Machine Learning

2016 AWS Solutions Architect Associate Certification

2016 Machine Learning, Stanford, Course Certificate, MOOC

2016 Intermediate Python For Data Science, Datacamp

2016 Amazon Web Services for Data Science, MOOC

2016 Mastering Software Development, Arolla, Paris

2016 Holacracy, IGI Partners, Training + 4 month mentoring

2016 Docker and Container Technologies, MOOC

2013 CEH v7 Training and Certification, Sysdream, Paris

2012 Energy Manager Professional Certification, Schneider,

## PROFESSIONAL EXPERIENCE

### Application Architect, Schneider-Electric France

Mar 2013 - Mar 2014 (1 year)

- *Startup Creation - Intrapreneurship project*
- *Facility Management Cross-Platforms Application (<https://youtu.be/gl9t-XTco18>)*
- *Architecture & Development lead (AWS, Web, Mobile, NoSQL)*

### Team/ Technical Leader, Schneider-Electric USA

Jul 2009 - Mar 2013 (4.5 years)

- *Mobile Cross-Platforms architectures design & development*
- *Technical advisor in the strategy & Innovation department*
- *Mobile development Companies buyout auditor*

## OTHER EXPERIENCES

### Internships

- *Developer, Arc International (2 months internship 2008)*
- *Salesman, Leroy Merlin plumbing shelf (3 months internship 2007)*

### Others

- *At home computers repair (from 2005 to 2008)*
- *Big Data & Machine Learnin Meetup Organizer, Lille, 2018*
- *Public speaking (i.e: Nutigo, Big Data & Machine Learning, YO'Meet, during lot's Hackathons...)*

## HOBBIES

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|----------------------|---------------------|--|
| - Creative workshops | - Security          | - Hacking                                  |
| - Beerology          | - Woodworking       | - Politics                                 |
| - Travels            | - Windsurfing       | - 3D Printing                              |
| - Wing foil          | - Walking in Nature | - Tech or Financial podcasts while running |
| - Sailing            | - Standup Paddle    |  |
| - Investing          | - Biking            | - Judo (black belt)                        |
| -                    | - Coding            |  |

## RECOMMANDATIONS ON DEMAND