



Olivier Eeckhoutte

Freelance

Solution Architect/ Senior tech
Lead/ Staff Software Engineer/
DevOps/ CTO / fractional CTO

Web3 & Rust focused

15+ years of professional experience
Full Remote only

PROFILE

I feel lucky to work in a field I am very passionate about and that 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 the 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://leanddeep.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 the new e-commerce platform leveraging an E-commerce Headless solution
- Development of event driven backend microservices (MACH Architecture using Python, GraphQL, AWS, Azure...)
- Pushing best practices (development, devops, tooling, practices) and proven working solutions from past experiences in an international team

f-CTO, Our Story (in parallel of my main job at Breitling)

Sep 2024 - Today

- Working on Legacy & Memories transfer (Decentralized) app
- Technical stack: Rust/ React/ private AI solutions

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 & migrations

KEY SKILLS

Architecture

Clean Architecture, CQRS, Serverless, Micro Services, MACH, 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 & Big data tools, Kubeflow, Prefect, Airflow, Dagster, Ollama, n8n, supabase, MCP, RAG

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

Blockchain / Decentralisation

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

PROFESSIONAL EXPERIENCE

- 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

Senior Backend Developer/ Data engineer (in parallel of my main job at TAG Heuer)

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

- Social media analysis/ marketing app (full backend realised from A to Z in Python, NoSQL and hosted in Google Cloud)

Web3 Arbitrager (in parallel of my main job at TAG Heuer)

Jul 2020 - march 2024 (On-hold for now)

- Who better than yourself can take care of your finances ?
- So I am building web3 arbitrage bots
- And I do Swing trading using technical analysis

Technical Leader, Engie Trading Center, Brussels



Apr 2019 - Nov 19 (6 months contract)

- Create a reusable and transversal tool to automate end to end tests
- Migration from OVH to AWS
- Co-Technical Lead in an international team made of developers, data engineers, data analysts, quant & energy traders

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 animation (Kubernetes, Openshift, CI/CD Tools)
- Agile Methodology training and technical evangelisation
- SRE (Site Reliability Engineering): development, automation, monitoring (Python, Ansible, Terraform, Prometheus...)

KEY SKILLS

Web/ Mobile/ Backend dev

Javascript Single Page Apps (*Svelte*, *AngularJS*, *Angular 2+*, *ionic*, *Backbone...*), Responsive Web Design, NodeJS, Webpack, HTML5 (*WebRTC*, *WebSockets*, *Service Workers...*), Cordova, iOS, Android, Java, TypeScript, Progressive Web Apps, TDD, BDD, DDD, Git, Python, Flutter

Project management/ Methods

Agile (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 (PIM), Bynder, GlobalE, Yext, OMS and lot's of other ecommerce related SAAS (Mailchimp, Twilio, Sendgrid, Algolia...)

Embedded dev/ Edge Computing

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

Finance

Web3 trading (Arbitrage) on BNB, ETH and TRON blockchains

Administration

I administrate the company Lean Deep since 2018. I'm going to launch a 2nd one end of 2025

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/ AI technologies referent*
- *Web & Mobile hybrid developments (Angular, Cordova, NodeJS)*

Entrepreneurship (in parallel of my job 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

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

2025 Rust for data Engineering, Duke University, MOOC
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
2015 Mastering Software development, Arolla, Paris
2013 CEH v7 Training and Certification, Sysdream, Paris
2012 Energy Manager Professional Certification, Schneider, Boston

HOBBIES

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|----------------------------------|------------------------|
| - Creative & Art workshops / DIY | - Security 3D Printing |
| - Travels | - Walking in Nature |
| - Investing | - Water Sports |

PROFESSIONAL EXPERIENCE

Application Architect Web & Mobile Technologies, 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 Leader, Schneider-Electric USA, Boston



Mar 2011 - Mar 2013 (2 years)

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

Web/Mobile Developer, Schneider-Electric USA, Alameda



Jul 2009 - Mar 2011 (2.5 years)

- *Web apps and mobile apps development*
- *Mobile Cross-Platforms development (SPA in JavaScript)*
- *8 months on-site and then full remote*

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. (During my years in high school)*
- *Big Data & Machine Learning Meetup Organizer, Lille, 2018*
- *Public speaking (i.e: Nutigo, Big Data & Machine Learning, YO'Meet, during lot's of Hackathons...)*

RECOMMENDATIONS
ON DEMAND