



Olivier Eeckhoutte

Focused on AI & Machine Learning

I am open to the following roles:

AI Engineer | Machine Learning Engineer | Technical Lead | Staff Software Engineer | DevOps | AI Architect | Solution Architect | CTO

17 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 INFORMATIONS

+33 6 95 24 43 62

olivier.eeckhoutte@gmail.com

Location: Morbihan, France

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

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

PROFESSIONAL EXPERIENCE

Senior Backend/ AI Engineer, Breitling

Dec 2023 - Today



- Personalised AI Agent built from A to Z to provide products recommendations and answer any question asked by customers on the website (RAG, Scalability for global audience, LLMs, Realtime data, AWS)
- Backend architecture and development of a new global headless and composable e-commerce platform <https://www.breitling.com> (So all the backends to manage the global international e-commerce website with advanced features)
- Development of 25+ event-driven backend microservices (MACH Architecture using Python, GraphQL, AWS, Azure...)
- Integration of PSPs (e.g. Adyen, Paypal Express, Apple Express, Payal, Klarna, GlobalE...), split payments, split shipments, fraud detection, and many other complex features, and transformed the new global headless platform into a multi-brand platform to launch <https://gallet.com> and <https://universalgeneve.com>
- Promoting best practices (development, DevOps, tooling, and processes, AI Engineering) and leveraging proven solutions from past experience within an international team.
- Data migration from previous e-commerce to the new one
- Tons of problems solved

Problem solver, problem-solver.ai (in parallel of my main job at Breitling)

July 2026



Problem **Solver**

- Solving customers problems & operational bottlenecks using AI
- Conducting interviews to carry out audits
- Automation of this business (Solving my own bottlenecks to scale without me, Agents, Loop engineering...)

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 / AI

Python, BigQuery, Machine Learning (scikit-learn, Pandas, TensorFlow/ Keras, Neural networks, FastAI, PyTorch), RPA, Agents (ADK, langchain), Chatbots, AWS AI & Big data tools, Kubeflow, Prefect, Airflow, Dagster, Private or Cloud AI, supabase, MCP, RAG, Finetuning, LORA, Vertex, Prompt Engineering, RLHF, Vector DB

DevOps/ Cloud

Azure, Amazon Web Services, GCP, Docker, Monitoring, Tests Automation, Linux (RedHat 7, CentOS, Debian), Continuous Delivery, Software Factory (CI/CD), Nginx, Kubernetes + custom dev operators, OpenShift (v3.6 to v4), Hub & Spoke Architecture, Terraform, 12 Factors, Security

Blockchain / Decentralisation

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

PROFESSIONAL EXPERIENCE



Lead DevOps, TAG Heuer, Switzerland

Nov 2019 - Dev 2023 (4+ years)

- *Developed a cloud and Python based middleware (custom Enterprise Service Bus) and APIs integrating the e-commerce platform, retail systems, and multiple internal backend systems. —> More on this successful innovative platform here <https://bit.ly/3gs0EHY> and here <https://bit.ly/3C0hX9W>*
- *Development of a custom built CIAM (Customer Identity and Access Management) solution based on Keycloak, including Python services, LDAP migration, and Keycloak plugin development*
- *Contributed to a new headless Ecom platform and other web-based platforms.*
- *Managed different Azure/ Kubernetes cluster builds & 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*

Crypto Quant Developer (in parallel of my main job at TAG Heuer)

Jul 2020 - 2024

- *Who better than yourself can take care of your finances ?*
- *I built trading bots in DEX & CEX platforms*
- *I also built bots to track investment funds using SEC.org data (13X forms)*

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)*

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*

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, ACP...)

Embedded dev/ Edge Computing

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

Finance

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

LANGUAGES

French ██████████
English ██████████

PROFESSIONAL EXPERIENCE

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...)*



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 / MLOps)*
- *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 (on Tech stack): (Company: LaFinbox)*
- *AngularJS, NodeJS in Test Driven Development trainer*

TRAININGS & CERTIFICATIONS

Now Continuous self-learning, not necessarily through paid programs (see my posts <https://leandeep.com/posts/>)

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, **Certification**

2017 AWS Solutions Architect Professional **Certification**

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 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

- | | |
|-----------------------|---------------------|
| - Cyber Security | - Robotics |
| - Travels | - 3D Printing |
| - Investing Trading | - Walking in Nature |
| - Coding | - Sport |
| - Beerology | - DIY |

PROFESSIONAL EXPERIENCE

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)*



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...)*