

*I work to **improve the flow** from business to customers, **enhance the feedback** loop,  
then **promote a culture** of continuous improvements and learning.*

*I **collaborate** with executives and all kind of engineers to **reach business goals**.*

*I am now looking for new challenges where I can put my DevOps knowledge at the service of your organisation.*

## HEAD OF WEB DEVELOPMENT

DevOps Advocate – Agile Coach - Product Owner

## Neurones Technologies SA

Feb. 2011 to date (**6 years**)  
Geneva – Switzerland

### Fully automated Continuous Deployment for E-commerce websites

- **Implementing CI/CD with Gitlab.com:** Git, Docker registry, Pipelines (build, tests, deployments)
- **Dockerizing** existing projects (Writing Dockerfiles, Using docker-compose, Deploying to registry...)
- **OVH Cloud:** Provisioning Ubuntu Docker nodes in OpenStack (Integ, QA, Production and Tools)
- **Promoting Agility and transparency:** using Gitlab.com issues and wiki

#### Results achieved:

- Suppression of all manual actions (database migrations, deployments...)
- Improved the time to market for new features (hours instead of weeks)
- Improved the deployment frequency (multiple times per day instead of twice per month)
- Improved quality of applications and customer satisfaction

**Collaboration with:** Scooprint CEO, FX-comunik developers. Neurones developers and system engineers

### Fully automated Continuous Deployment on Heroku for a large-scale organisation application

- **Implementing CI/CD with Bamboo & Heroku:** build, tests, deployments with Heroku CLI
- **Dockerizing** project for local development (Writing Dockerfile as close as possible from Heroku stack)
- **Using Heroku add-ons:** for JawsDB MySQL, Scheduler, Bucketeer (S3), New Relic APM, Papertrail, Loader.io

#### Results achieved:

- Improved scalability and hosting costs
- Reduced the maintenance needed on components replaced by Heroku add-ons

**Collaboration with:** Client developers and system engineers

### Fully automated Continuous Delivery & DevOps transition for all of Neurones hosted projects

- **Implementing CI/CD (~20 projects)** with different technology stacks (Java, PHP, JavaScript, NodeJs, .NET)
- **Bitbucket server:** Git, Feature branching, organising pull requests and code reviews
- **CI/CD with Bamboo:** Configuring build plans and deployments plans (automation with Bamboo API)
- **Tests automation:** Unit tests, Selenium, automatic screenshots, load tests
- **Ansible:** developing build and deployment scripts (triggered by Bamboo)
- **Dockerizing** of all applications (Writing Dockerfiles, Using docker-compose, Deploying to registry...)
- **Developing "Self-service" Docker images:** to support teams and their pipelines (Tomcat, Nginx, Apache, Solr, Elasticsearch, NodeJs, PHP, Liferay, Drupal, Joomla...)
- **Release management:** Using Private Docker registry, Bamboo artefacts and Nexus

- **Private cloud:** Using Ubuntu Docker nodes (Integ, QA, Production and Tools)
  - **Puppet:** Working closely with system engineers and developing modules for configuration management of nodes
  - **Docker:** Managing Docker containers on different nodes

**Results achieved:**

- Successful DevOps transition by following the three ways (Improving flow from business to customer, increasing feedback loops from customer to business, culture of continuous experimentation and learning)
- Suppression of all manual actions (database migrations, deployments...)
- Improved the time to market and deployment frequency (hours instead of days)
- Improved quality of applications and customer satisfaction
- Reduced recovery time from failure (minutes instead of hours) and the failure rate
- Reduced time spent on unplanned work and rework
- Improved employee engagement and culture of automation, quality, innovation

**Collaboration with:**

- Daily/Weekly: Neurones developers and system engineers. Customers. Project managers. Third party providers.
  - 1/3/6-Monthly: Neurones CEO, COO, Sales and Business Development Manager
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**DevOps consulting & pre-sales** for several small and medium size organisations (State of Valais, Genview, transports of Lausanne, University of Fribourg)

- **Consulting:** Continuous Integration and Continuous Delivery
- **Pre-sales presentations:**
  - English or French audience
  - DevOps Basics and ROI for stakeholders and managers
  - DevOps advanced concepts for technical leaders, developers and system engineers
- Creation of a complete DevOps offer integrated into Neurones list of services

**Results achieved:** Improved mindset (based on real life feedback) and presentation skills

**Collaboration with:** Neurones CEO, COO, Sales and Business Development Manager, customers.

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**Fully automated workstation management** for Neurones developers

- **Developing Ansible playbooks to automate:**
  - installation and maintenance of common high-level tools on Linux workstations (Docker, IntelliJ, npm, git, ruby...)
  - installation and maintenance of optional "on demand" applications (Filezilla, Atom, Spotify...)
  - configuration (sudoers, groups, ssh keys, VPNs...)

**Results achieved:**

- Reduced drastically workstations installation time (minutes instead of hours)
- Improved workstations stability and security
- Reduced drastically time spent on non-value added operations by system engineers and developers
- Improved developers' productivity, satisfaction and culture of continuous improvement

**Collaboration with:** Neurones developers and system engineers

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## **Agile coaching & product management** for Neurones

- **Promoting Agile:** Several Agile presentations for developers, system administrators, managers and clients
- **SCRUM:** Implementing & training for fixed-rate projects
  - Animating backlog grooming, planning poker, daily stand-ups, reviews and retrospectives
- **Kanban:** Implementing a flow for maintenance and evolution. Prioritising user stories
- **TDD:** Implementing & training
- **Product management:**
  - Three different products (online quiz, ECM workflow plugin, ECM BPMN plugin)
  - Gathering customer input to create a product backlog by redacting relevant user stories

### **Results achieved:**

- Improved collaboration and continuous improvement with an Agile mindset
- Improved customer satisfaction by delivering the right product with the highest quality possible
- Improved flexibility and visibility by adopting Kanban for maintenance and evolutions
- Creation of an “Agile contract” for maintenance and evolution adopted by most of Neurones customers

**Collaboration with:** Neurones managers, developers and system engineers

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## **Git consulting & training** for the State of Valais

- **Consulting:** Git branches strategy for efficient Continuous Delivery
- **Training:**
  - Git basics to a team of eight developers and four system engineers to Git basics (theory and workshops)
  - Git advanced concepts to the same team of eight developers six months later (theory and workshops)

### **Results achieved:**

- Git branching strategy is efficient for sprints releases and hotfixes
- Great feedback from all participants and core concepts were still mastered six months later
- The most resistant to change were at ease and convinced after the different pieces of training

**Collaboration with:** State of Valais’ head of Internet Capability Center, developers and system engineers

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## **Team & customer management** for Neurones

- **Team:** Five developers and one system engineer
  - Leading one to one quarterly follow-ups
  - Planning and organising work
- **Customers:**
  - Building a client relationship based on transparency, trust and respect
  - Organising follow-up meetings and negotiating budgets

**Results achieved:** Improved communication between team members, customers. Improved the delivery rate.

**Collaboration with:** Neurones developers and system engineers. Customers. Project managers.

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## **Atlassian consulting & training** for several clients and Neurones

- **Installing, configuring and training:** Docker-based setup of Jira, Bitbucket server, Bamboo, Confluence
- **Developing:** External automatic billing application based on Jira and tempo REST APIs

### **Results achieved:**

- Improved the efficiency of the tools drastically by matching them with real-life workflows
- Reduced drastically the time spent on billing and on upgrading tools each month

**Collaboration with:** Neurones developers and system engineers. Customers. Project managers.

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**Development** of several web applications

- **Architecting and developing** complex and large scaled web applications and REST APIs:
  - PHP: Drupal, Symfony, Yii, Joomla, MySQL, MariaDB, Redis, Elasticsearch, Solr, Composer, PHPUnit...
  - JavaScript SPA: Angular, Vue.js, Node.js, Loopback, Express Backbone, Mocha, MongoDB, Grunt/Gulp...

**Results achieved:** Excellent knowledge of advanced dev workflows, REST APIs and single page applications.

**Collaboration with:** Neurones developers and system engineers. Project managers.

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**Fully automated Jenkins pipelines as a code** proof of concept for Neurones

#### **FULL STACK DEVELOPER**

*Web agency context*

**Label.ch**

Sept. 2010 – Jan 2011 (**5 months**)  
Geneva – Switzerland

**Development** of the World Economic Forum website and some small web applications

#### **FULL STACK DEVELOPER**

*E-commerce B2B and B2C start-up context*

**E-Dkado**

Sept. 2007 – Aug 2010 (**3 years**)  
Grenoble – France

**Development** of B2B/B2C websites, Intranet, Vtiger CRM and custom PHP applications

### **LANGUAGES**

|                | <b>Understanding</b> | <b>Speaking</b> | <b>Writing</b> |
|----------------|----------------------|-----------------|----------------|
| <b>French</b>  | C2                   | C2              | C2             |
| <b>English</b> | C2                   | C1              | C1             |
| <b>Spanish</b> | A2                   | A1              | A1             |

**A1/A2** Basic user; | **B1/B2** Independent user; | **C1/C2** advanced user

### **EDUCATION**

Bachelor in Web, Multimedia and IT applications (MIAM) in Université Grenoble Alpes

### **AND MORE...**

- I am **proactive, fast learner** and a good **team player**
- Meetups: Docker-Geneva, Ansible-Geneva, Kubernetes Geneva, jsromandie
- I follow these conferences/webinars: Soft-Shake, Agile Tour Lausanne, DevOps.com webinars
- My ansible galaxy profile: <https://galaxy.ansible.com/vcabourdin/>
- Expected certifications for 2017/2018: DevOps foundation®, DevOps leader (DOL)<sup>SM</sup>, Agile Service Manager (CASM)®, Agile Process Owner (CAPO)®
- **Some books I have read:**
  - The Phoenix Project: A Novel about IT, DevOps, and Helping Your Business Win
  - The DevOps Handbook: How to Create World-Class Speed, Reliability, and Security in Technology Organizations
  - DevOps for Digital Leaders: Reignite Business with a Modern DevOps-Enabled Software Factory
  - Leading the Transformation: Applying Agile and DevOps Principles at Scale