

# NICOLAS BUSSENEAU

Open Source DevSecOps Engineer • Site Reliability Engineer

✉ nicolas@busseneau.fr 🌐 nicolas.busseneau.fr/blog in nicolas-busseneau 🔄 nbusseneau



## PROFESSIONAL EXPERIENCE

### ISOVALENT Open Source DevSecOps Engineer • SRE

📅 Jan. 2021 - ? 📍 Remote • Worldwide

Contributor to Cilium, leading open-source eBPF-based Kubernetes CNI (networking, security, observability). All of my work on Cilium is public and conducted in open collaboration via GitHub. Worldwide international team (all remote). Public speaking / tech talks / demos (~20-100 attendees).

**DevSecOps / SRE** Kubernetes / Docker • GCP / Azure / AWS • GitHub Actions / Jenkins • Python / Bash • Helm / Terraform • System & network administration

### INSA RENNES Adjunct Professor

Part-time

📅 1 year 5 months Feb. 2020 - Jun. 2021 📍 Rennes, France

Part-time contract, exercised in parallel of my main job. Teaching of Object-Oriented Programming to engineering students. Organizing thematic discovery conferences / sessions. Mentoring year-long engineering project.

### SOPRA STERIA DevOps Engineer

📅 1 year 5 months Sep. 2019 - Jan. 2021 📍 Rennes, France

Lead DevOps on a large project (~40 engineers) for an international telecom company. Kubernetes cluster administration. Frequent English speaking (international partners). L3 incident response (emergencies and critical incidents), maintaining / repairing computer and network systems.

**DevOps** Kubernetes / Docker • Python / Bash • GitLab CI / Jenkins • Helm / Ansible • Prometheus / Grafana • System & network administration

### SCRIPT&GO Software Engineer → Lead Software Engineer

📅 4 years 8 months Feb. 2015 - Sep. 2019 📍 Rennes, France

Software engineer then technical lead, coordinating a team of 7 developers. Bridge with the business, marketing and commercial departments. English speaking on a daily basis (international team). L1 / L2 incident response and later L3, maintaining / repairing computer and network systems.

**Tech lead** Team coordination • Assisting / mentoring developers • Establishing architecture / tools / best practices • Business & functional analysis

**Development** Java (Spring Boot) • C# / WPF • C++ • MariaDB / CouchDB

## PREVIOUS SOFTWARE ENGINEERING EXPERIENCES

📅 2011 - 2015 📍 London • Rennes

R&D at Canon and internships. Details available on [my online resume](#).

## FIELDS OF EXPERTISE

I believe in continuous improvement and open collaboration, doing my best to help wherever I can using a mix of technical and relational skills.

**DevSecOps** Kubernetes • Docker • Python • Helm

**CI / CD** GitHub Actions • GitLab CI • Jenkins

**Development** Go • C# • Java (Spring / Spring Boot) • git ("git wizard")

**Best practices** Incremental adaptation • Code sharing/reviews • Security & reliability

**Ambassador** Seasoned public speaker • Tech talks, conferences, classes, training

**Information** Deep analysis and synthesis • Tailoring depending on interlocutors

**Coordination** Sharing responsibilities • Assisting / mentoring • Decision-making

**Operations** Emergencies and time-sensitive operations • Post-mortem analyses

## KEY POINTS

Hi, I'm Nicolas. Pleased to meet you! 🙋

I engineer automation so that we may focus on exciting challenges 🤖

- ✓ 6 years experience
- ✓ Details and quality-oriented
- ✓ Focused on continuous improvement
- ✓ Natural ambassador

## BUNDLED OPTIONS

Transparent Upright Gamer Athlete

Caramel shortbread secret recipe\*

\* Don't ask, it's secret. Though I may yield if you say "please" 😊

## LANGUAGES

English ●●●●● C1+/C2 cert. 🇬🇧

Français ●●●●● Native

Español ●●●●● B1/B2

Svenska ●●●●● A1

## EDUCATION

### INSA RENNES

\*regulated title (Wikipedia)

#### Diplôme d'Ingénieur\* (+ European Master's)

📅 2010 - 2015 📍 Rennes, France

Public engineering school. Specialization in Software Engineering / Computer Science / Computer Systems & Networks (EQF level 7). International section: half-foreign half-french work pairs.

### LINKÖPINGS UNIVERSITET

Erasmus

#### European Master's Degree

📅 2014 - 2015 📍 Linköping, Sweden

Exchange programme in one of the largest Swedish universities. Courses in English (EQF level 7): Software Engineering / Computer Science

### LULEÅ TEKNISKA UNIVERSITET

#### European Bachelor's Degree

Erasmus

📅 2012 📍 Luleå, Sweden

Exchange programme in a Swedish technological university. Courses in English (EQF level 6): Computer Science / Systems & Networks / Maths

Not enough of one page? I invite you to discover my extra-professional activities.

Computer **software/hardware enthusiast**, **weightlifter**, and **gamer**: my spare time is dedicated to my hobbies. I contribute to various open source projects, mainly through [GitHub](#), and most of my personal projects are open source and public. Open source benefits humankind as a whole: it is proof that we can do awesome stuff together, and I take pride in promoting its values – sharing, open collaboration, transparency.

## NONPROFIT WORK

### FLEX TIME **Fitness Coach**

📅 2016 – ?

Mentoring friends and coworkers (~10 persons) either starting out or reaching specific goals. Ad-hoc adaptations depending on trainee, objectives, and results / challenges. Planning and tracking progress.

### STUNFEST **Network Team Lead / Consultant**

📅 2013 – 2018

🔗 [Website](#)

Video games festival of European scale (12,000 visitors over 3 days) in "Le Liberté" concert hall in Rennes city centre. Network team lead from 2013 to 2016, then consultant on the network team from 2016 to 2018. Responsible for the reliability of a high-speed upstream for high-quality streaming of about a dozen simultaneous broadcasts.

**Network** Planning • VLAN • iptables • tc • OpenVPN • ISC DHCP

### INSALAN **Network / Broadcaster / Webmaster**

📅 2012 – 2016

🔗 [Website](#)

eSports competition of national scale (more than 400 contestants). Successive roles between 2012 and 2016: webmaster, broadcaster (live streaming and match commentary), and network (technical installation, Internet access). From 2016 to 2020, annual participation as competitor on League of Legends. Best result: 2nd in 2018!

**Network** Planning • VLAN • iptables • tc • OpenVPN • ISC DHCP

**Broadcasting** Open Broadcaster Software • Match commentary

**Webmaster** HTML5 / CSS3 • PHP • MySQL • JavaScript

## HOBBIES

Always open to discuss and share my passions! 🚀

**Fitness** Coach • Dietician • Weightlifter

**eSports** League of Legends competitive scene • Tournaments

**Video games** Path of Exile • Diablo • Mass Effect

**Hardware** GPU • CPU • Custom PC • Monitors • Mech. keyboards

**Music** Pink Floyd • Dream Theater • Carpenter Brut

**Science fiction** Blade Runner • La Horde du Contrevent • Isaac Asimov

**Humour of variable quality** La Classe Américaine • OSS 117

## ADVERTISING SPACE

Looking for some caramel shortbread? In desperate need of a *Problem-Solving Wizard Extraordinaire*? An urgent request for a  $\LaTeX$  expert? What are you waiting for when the solution is right here? Don't linger any longer: [contact me!](#)

## OPEN SOURCE

### HEPHAISTOS **Maintainer**

📅 2021

🔗 [GitHub](#)

Command line tool for modding Supergiant Games' video game Hades. Add support for ultrawide monitors (21:9, 32:9), multi-monitor (48:9), and custom resolutions.

**Development** Python • Lua

**Reverse engineering** Ghidra • dnSpy

### GRAV **Contributor**

📅 2020 – ?

🔗 [GitHub](#)

Flat-file content management system, extensible via plugins. I use it to power [my personal website](#) and contribute to the Grav ecosystem (both core, official plugins, and third-party plugins) on a regular basis.

**Development** PHP (Symfony) • Twig

### PORTFOLIO PERFORMANCE **French translation**

📅 2020

🔗 [GitHub](#)

Investment portfolio tracking software. I frequently recommend it, and help spread it to the francophone community. French translation maintainer.

**Development** Java

### QBITORRENT PLUGIN **Maintainer**

📅 2013 – 2021

🔗 [GitHub](#)

RuTracker search engine plugin for qBittorrent.

**Development** Python

### AND EVEN MORE...!

📅 Since 2013

Details available on [my online resume](#) and [GitHub](#).

## CHEMICAL COMPOSITION

