

NICOLAS BUSSENEAU

Open Source Engineer • DevSecOps • Reliability

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🌐 nicolas.busseneau.fr/blog

in nicolas-busseneau

🐙 nbusseneau



PROFESSIONAL EXPERIENCE

ISOVALENT Open Source Engineer • DevSecOps • Reliability

📅 Jan. 2021 – ?

📍 Remote

Contributor to [Cilium \(CNCF\)](#), 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 • Helm

CI / CD GitHub Actions • GitHub Apps

Development Go • Python • git ("git wizard")

Practices Incremental adaptations • Code sharing/reviews • Security & reliability

Ambassador Seasoned public speaker • Tech talks / professional training

Information Deep analysis and synthesis • Tailoring to 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 🧠

- ✓ 10 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.

OPEN SOURCE

VALHEIM Contributor • Modder

📅 2024 – ?

🔗 [Website](#)

Author of several mods for Iron Gate's video game Valheim. Contributor to the modding ecosystem, helping with various mods I use.

Development C# • Unity • BepInEx

Reverse engineering dnSpy • HarmonyX

BEYOND ALL REASON Contributor • Community

📅 2023 – ?

🔗 [Website](#)

Open source RTS video game descended from Total Annihilation, based on the [Recoil](#) engine (formerly [SpringRTS](#)). Contributor to the game and admin for the official French community.

Development Lua • C++

HADES Contributor • Modder

📅 2021 – ?

🔗 [GitHub](#)

Author of [Hephaistos](#), a modding tool for Supergiant Games' video game Hades adding support for ultrawide monitors (21:9, 32:9), multi-monitor (48:9), Steam Deck (16:10), and custom resolutions. Contributor to the [Hades and Hades II modding ecosystem](#), notably tooling and automation.

Development Lua • Python • C++

Reverse engineering Ghidra

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

AND EVEN MORE...!

📅 Since 2013

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

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](#)!

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 an 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 Coaching • Weightlifting • Nutrition

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

Video games Path of Exile • Deep Rock Galactic • Helldivers

eSports League of Legends competitive scene • Tournaments

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

CHEMICAL COMPOSITION

