

# Cyprien Borée

Backend Engineer



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French (Native), English (Business), Japanese (JLPT 3)

## SKILLS

Cloud & DevOps	AWS, Docker, GitHub (Actions, Registry), GitLab, Kubernetes
Programming & Scripting	Bash, C++, Go, Python, Rust, Typescript, Zsh
Database	PostgreSQL, Redis, SQLite, Timestream
OS	Arch, Gentoo, Debian, macOS, XUbuntu
Web	HTML, CSS, CMS (Drupal, WordPress), SSGs (Hugo, Jekyll)

## EXPERIENCE

**Backend/Infrastructure Engineer** April 2023 - Now  
Tensor Energy Fukuoka, Japan  
Development and maintenance of services within the distributed monolithic architecture. I have been focusing on internal monitoring (Grafana, Loki), emailing, data lake and REST/gRPC APIs. My expertise is centred on AWS, Kubernetes, Go and Python.

**C++ Developer** March 2021 - July 2021  
M2 internship in ORKAD research team, CRISAL laboratories Lille, Nord (59), France  
Implementation and benchmark for diversity criteria on multi-objective solution with the team's C++ platform. Internship supervised by **Laetitia Jourdan** and **Julien Baste**.

**C++ Developer** October 2020 - February 2021  
Final Year Project in SMAC research team, CRISAL laboratories Lille, Nord (59), France  
Implementation of a multi-agents system based on a random social network (Barabási–Albert) to modelize the spread of a disease in a population. Project supervised by **Philippe Mathieu**.

**Python Developer** June 2019 - September 2020  
Internship, then full time in BONSAI research team, CRISAL laboratories Lille, Nord (59), France  
Development of RNA-Tailor, a software that for a given gene of interest whose genomic sequence is known, find all transcripts present in the sample that corresponds to this gene and model the alternative transcripts. Project supervised by **Hélène Touzet** and **Jean-Stéphane Varré**.

**C++ Developer** April 2018 - June 2018  
Bachelor's internship in BONSAI research team, CRISAL laboratories Lille, Nord (59), France  
Time and memory optimizations in Vidjil, a software that compares genomic sequence. Implementation of the Aho-Corasick automaton. Internship supervised by **Mathieu Giraud** and **Mikael Salson**.

**C and C++ Developer** April 2017 - June 2017  
Exchange Student internship, Oyama Kousen Oyama, Tochigi Prefecture, Japan  
Implementation of an image recognition software with a neural network to help a robot take independent decisions based on its environment. Project supervised by **Patrick Lebègue** and **Sam Ann Rahok**.

## EDUCATION

**Master's Degree in Computer Science, Data Science and Algorithms** 2018 - 2021  
University of Lille, Nord (59), France

**Bachelor's Degree in Computer Science** 2017 - 2018  
University of Lille, Nord (59), France

**Technology Degree in Computer Science** 2015 - 2017  
University Institute of Technology, Lille, Nord (59), France