Flandre Corentin – Software Engineer   GitHub | Portfolio | LinkedIn
flandrecorentin@gmail.com   (+33) 7 80 31 46 98

Java | Python | C++ | Spring | Django | GCP (GKE, Cloud Run, Registry, etc.) | Typescript, Javascript | Angular, Vue | Apache Kafka | Elasticsearch | Datadog | SGBD (PostgreSQL, MongoDB) | SQL, PL/SQL | PyTorch, Scikit-Learn | Kubernetes | Docker | Git | CI/CD (GitHub Actions, Flux CD) | Three.js | Prolog | French *native*, English *professional* (Cambridge Certification)

Education

Royal Institute of Technology (KTH), MSc Computer Science, Sweden   September 2023 – January 2024
Semester of specialisation with courses in:
- Scalable software development
- Cybersecurity
- Machine Learning & Deep Learning

INSA Lyon, Engineer degree Computer Science, France   September 2019 – June 2024
Graduated in June 2024
- 2-year preparatory cycle in science
- 3-year specialization in computer science, with advanced courses in programming, machine learning, data, mathematics, algorithms, and cybersecurity

Experience

Software Engineering, Decathlon   January 2024 - Now
- Developed modules enabling the retrieval of sales data for internal and external teams in charge of inventory, finance, and data analysis. This included addressing scalability challenges, such as transitioning from 15% to 100% of e-commerce sales data through the modular software.
- Ensured maintenance of retail infrastructures (DevOps) in compliance with SLI/SLO indicators set at 99.9%.
- Refactored the data sales compliance validation software, validating 2M sales per day.

Software Engineering Intern, Klee Group   April 2023 - July 2023
- Engineered a metalanguage intention compiler capable of creating a graphical view of the code.
- Implemented chatbots utilizing NLU models for 4 government or European projects (such as Ameli and FSE+) using different technologies.
- Increased the NLU model's intention recognition score from 89% to 94% by reparametrizing Rasa.

Software Developer Intern, Smile   May 2022 - August 2022
- Designed the architecture of a new type of Document Management System (DMS) in the cloud.
- Developed the software applications using REST API, Java (Spring), Vue.js, MongoDB database, and Docker.
- Deployed the DMS in 3 business customers' infrastructure with an average turnover of €1 million, transferring their documents to the MinIO cloud service.
- Implemented a dynamic, multi-level classification system based on document metadata.

Mathematics and Programming tutor, INSA Lyon   September 2020 – August 2023
Tutored groups of 4 to 8 students in the preparatory science cycle. Position obtained based on my university ranking

Leadership and Awards

Presentation of a university exchange management project
Working with 6 friends, we presented our application for managing university exchanges (Erasmus and double degrees), integrated into certain universities in Lyon, to 8 different companies. The project was awarded €300

Personal projects

Personal IT projects (portfolio, Strava application extension (in progress), 3D tetris, spreadsheet, mini-games) etc.

Itinerant cycling trip through 8 countries. 5400 kilometers in 1,5 months   end of July/August 2023
Itinerant cycling trip through 4 different countries. 2400 kilometers in 20 days   August 2021

Finisher of various marathons and trail runs