

Benjamin GONDANGE

SOFTWARE ENGINEER · BACKEND DEVELOPER

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Education

ESEO (École Supérieure d'Électronique de l'Ouest)

Angers, France

MSC IN COMPUTER SCIENCE AND EMBEDDED SYSTEMS

September 2016 - August 2021

- Courses include: Data structures and algorithms, Web development, Relational databases, Design patterns, Object-Oriented programming, Real-time programming, Embedded system design, Advanced automated testing, Linux architecture, Big Data infrastructure.
- Notable project: Implemented a fully-featured IRC server written in **Rust**, using **socket programming** and **multithreading**.

Work Experience

Datadog

Paris, France

SOFTWARE ENGINEER INTERN

February 2021 - August 2021

- Worked on the backend of the event product.
- Built high-throughput realtime **distributed systems** in **Go (Golang)**, **Python** and **Java**, handling more than **15k events per second**.
- Integrated open-source monitoring softwares with Datadog's event product.
- Deployed scalable services with **Kubernetes** and **Helm**.
- Developed a distributed rules-based aggregation engine using **Apache Kafka**.

TicketSwap BV.

Amsterdam, The Netherlands

BACKEND ENGINEER INTERN

July 2019 - November 2019

- Designed a service architecture for a growth opportunity.
- Implemented a **GraphQL API** in Symfony (PHP).
- Wrote **automated tests** to maintain a good code quality.
- Built automated **CI/CD pipelines** on CircleCI, interacting with **Docker containers**.
- Designed a data pipeline for Machine-Learning ticket recognition model using **Apache Kafka**.
- Developed a ticket-buying module which interfaces with Dutch and international ticket providers **third-party APIs**.
- Imagined and implemented browser notifications for fun and personal knowledge.
- Sold **1200 tickets** using the feature during the internship.

Projects

IntraJE

ENTERPRISE MANAGEMENT SOFTWARE

May 2018 - May 2020

- Imagined and conceived a fully featured enterprise software in **Spring Boot (Java)**.
- Implemented complex business logic using **design patterns** and **data structures**.
- Integrated with **third-party APIs** such as Google G Suite, Slack and GitLab.
- Created **continuous integration/deployment pipelines** with GitLab CI/CD, using **Docker containers** and AWS ECR.
- Deployed the service with AWS ECS.

Portail BDE

STUDENTS UNION PORTAL PLATFORM

May 2018 - May 2019

- Designed and implemented a **REST API** for students to order food from the school's cafeteria in PHP.
- Developed Android and iOS applications using this API, used by **~60 students everyday**.
- Built a web platform for the student union to sell tickets for their events.
- **Sold ~2000 tickets** through this platform.
- Integrated with third-party APIs such as Lydia and Slack.
- Deployed the API and web platform on a VPS.

Extracurricular Activity

SEIO (ESEO's Junior-Entreprise)

Angers, France

CORE MEMBER & CO-CHAIRMAN

May 2018 - May 2020

- Led market research and communication teams, overseeing all aspects of social networks and marketing.
- Proposed a new marketing strategy which resulted in a **35% increase of sales**.
- Participated in major business decisions with the board.

Skills

Back-end	Spring Boot, Symfony, GraphQL API, REST API, SOAP
Front-end	Typescript, Javascript, React, NextJS
Devops	Docker, Kubernetes, Gitlab CI/CD, Helm, Terraform, Spinnaker
Programming Languages	Golang, Java, Python, Swift, C, Rust, PHP, LaTeX, Tests French (Native), English (Fluent, TOEIC 960), German (intermediate)