

Léo Gaudin

leo@gaudin.it | linkedin.com/in/leo-gaudin | github.com/leogaudin

EDUCATION

42

Degree in Computer Science

Málaga, Spain

Feb. 2023 – Jul. 2024

The University of Western Australia

Bachelor of Arts in Communication and Media Studies

Perth, Australia

Feb. 2020 – Dec. 2022

EXPERIENCE

Consultant in Software Engineering

The World Bank

Washington, United States of America (Remote)

Mar. 2023 – Present

- Creator, technical director and sole maintainer of the open-source Track-and-Trace system
- Implement system in 6 African countries (Senegal, Nigeria, Malawi, Rwanda, Mauritania, and Sierra Leone)
- Help local governments to improve their data management and logistics
- Maintain a robust ecosystem capable of handling large volumes of parcels (over 300k per account)
- Analyze the data to provide relevant insights to the various stakeholders
- Ensure full functionality on large samples of obsolete devices in low-coverage zones of Africa

CTO

BlueTree Group

Utrecht, Netherlands (Remote)

Mar. 2023 – Present

- 30% reduction in truck movements during national school deliveries in Malawi by deploying routing algorithms
- Collaborate closely with international aid institutions: USAID, FCDO, Mott MacDonald, Expertise France
- Work on-site with the Rwandan government to implement our solutions and train local teams

IT Consultant

BlueTree Group

Utrecht, Netherlands (Remote)

Sep. 2021 – Mar. 2023

- Divide infrastructure costs (WordPress, Microsoft Exchange Suite) by 10 by transferring it from a managed provider (Kwaaijongens) to a dedicated OVH machine
- Automate internal processes such as distribution lists' bulk operations

PROJECTS

La Bacarda | *React, MongoDB, Express, TypeScript, Stripe, AWS*

Apr. 2024 – Present

- A full-stack web application to manage a boat rental company
- Aim to digitalize processes, such as booking, payment, and customer management
- Implement a payment system using Stripe
- Create separate dashboards for clients, employees and boat owners

Track-and-Trace | *React, React Native, MongoDB, Express, Vercel*

Mar. 2023 – Present

- Create the entire system based on the Bank's requirements, and later the local governments'
- Develop an ecosystem of applications: web dashboard, mobile app, and API/DB
- Overcome scaling issues to handle large volumes with the very limited Vercel's free tier
- Maintain operating costs as low as 15€/month for the entire system

TECHNICAL SKILLS

Languages: C/C++, Rust, JavaScript, TypeScript, Python, PHP, SQL, x86 Assembly

Frameworks: React, React Native, Express

Tools: Git, Docker, Vercel, MongoDB, AWS

Knowledge: Full-stack development, Product management, Systems programming, Linear algebra

OTHER

Languages: French (*native*), English (*fluent*), Spanish (*fluent*)

Learning objectives: Machine learning, Neural networks, Data science