

Léo Gaudin

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EDUCATION

- 42** Málaga, Spain
Degree in Computer Science *Feb. 2023 – Jul. 2024*
 - C, C++, Rust, Python, Data Science, Docker, UNIX, Networking, Machine Learning, Linear Algebra, Boolean Algebra, Calculus

The University of Western Australia Perth, Australia
Bachelor of Arts in Communication and Media Studies *Feb. 2020 – Dec. 2022*
 - C, Java, Data structures, Algorithms

EXPERIENCE

- Consultant in Software Engineering** Washington, United States of America (Remote)
The World Bank *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)
 - 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 Utrecht, Netherlands (Remote)
BlueTree Group *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 Utrecht, Netherlands (Remote)
BlueTree Group *Sep. 2021 – Mar. 2023*
 - 90% reduction in infrastructure costs (WordPress, Microsoft Exchange Suite) 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
 - Digitalize processes, such as booking, payment, and customer management
 - Implement a payment system using Stripe

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