Léo Gaudin

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

EDUCATION

42   Málaga, Spain
Degree in Computer Science   Feb. 2023 – Jul. 2024

The University of Western Australia   Perth, Australia
Bachelor of Arts in Communication and Media Studies   Feb. 2020 – Dec. 2022

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 Senegal, Nigeria, Malawi, Rwanda, Mauritania, and Sierra Leone
- Help local governments to improve their data management and logistics
- Develop 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
- 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
- Develop 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

TECHNICAL SKILLS

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