

Léo Gaudin

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EDUCATION

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| 42 <i>Degree in Computer Science</i> | Málaga, Spain <i>Feb. 2023 – Jul. 2024</i> |
| The University of Western Australia <i>Bachelor of Arts in Communication and Media Studies</i> | Perth, Australia <i>Feb. 2020 – Dec. 2022</i> |

EXPERIENCE

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|---|---|
| Consultant in Software Engineering <i>The World Bank</i> | Washington, United States of America (Remote) <i>Mar. 2023 – Present</i> |
| <ul style="list-style-type: none">• 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 <i>BlueTree Group</i> | Utrecht, Netherlands (Remote) <i>Mar. 2023 – Present</i> |
| <ul style="list-style-type: none">• 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 <i>BlueTree Group</i> | Utrecht, Netherlands (Remote) <i>Sep. 2021 – Mar. 2023</i> |
| <ul style="list-style-type: none">• 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

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|---|----------------------------|
| La Bacarda <i>React, MongoDB, Express, TypeScript, Stripe, AWS</i> | <i>Apr. 2024 – Present</i> |
| <ul style="list-style-type: none">• 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 <i>React, React Native, MongoDB, Express, Vercel</i> | <i>Mar. 2023 – Present</i> |
| <ul style="list-style-type: none">• 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