

# Herman C. RAZAFINDRANAIVO

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<https://github.com/Herman-Riah19>

## SKILLS

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|--------------|--------------|----------------|
| • TypeScript | • Next JS    | • Git / Github |
| • Python     | • Flask      | • Docker       |
| • JavaScript | • PostgreSQL | • AWS          |

## EXPERIENCES

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|-----------------------|--|
| Feb 2024 – Feb 2025   | <b>Full stack Web Developer</b> – Synergie Mad, Full Remote <ul style="list-style-type: none"><li>• Designing the Didache application, an encyclopedia of the Church, where I integrate a timeline a dynamic map, and a chat interface powered by AI.</li><li>• Developing the Gnose IA application, a conversational platform with AI that analyzes user-submitted corpora or PDF files.</li><li>• Contributing to the development of OpenMyst, a 3D platform that simulates the life of Jesus on a map, incorporating a timeline and a genealogical tree.</li><li>• Tools used: TypeScript, Next JS, Firebase, Force graph 3D, MapBox, Postgre SQL, Stripe, Python, Flask, Open AI API, AWS S3</li></ul>                                   |
| Aug 2023 – Nov 2023   | <b>Python Developer</b> – Quantum, Analakely Antananarivo <ul style="list-style-type: none"><li>• Developing a lead generation tool to facilitate prospecting and SEO optimization for Client websites, enhancing their online visibility and outreach.</li><li>• Writing web scraping scripts for data collection, enabling automated extraction of relevant information to support business intelligence and marketing strategies.</li><li>• Tools used: Python, Beautiful Soap, Selenium, Tor</li></ul>   |
| Jul 2023 – Aug 2023   | <b>Full stack Web Developer</b> – FPay, Andohalo Antananarivo <ul style="list-style-type: none"><li>• Contributing to the design of Jupiter, a money transaction platform, ensuring secure and efficient financial operations.</li><li>• Working on authentication and database structuring, optimizing data integrity and Security to enhance system reliability.</li><li>• Developing an API to trigger USSD codes for money transfers via mobile money, enabling seamless and accessible financial transactions.</li><li>• Redesigning an agency management application, improving its architecture, user experience, and operational efficiency.</li><li>• Tools used: Flask, ReactJS, ExpressJS, TypeScript, Firebase, Stripe</li></ul> |
| Sept 2021 – June 2023 | <b>IT and Multimedia Technician</b> – Shine Evangelical Church, Andravoahangy Antananarivo <ul style="list-style-type: none"><li>• Developed a web application for generating QR codes for invitations</li><li>• Performed maintenance on IT equipment within the organization</li><li>• Edited sermon videos and designed jackets and stickers</li><li>• Tools used: NextJS, PostgreSQL, Figma, Adobe Premier, Photoshop</li></ul>  |
| Jan 2020 – Nov 2020   | <b>IT Technician Intern</b> – Ministry of Technical Education and Vocational Training, Antananarivo <ul style="list-style-type: none"><li>• Developing a web application for an online library, where I integrated a page displaying video courses and a PDF reader within the app to enhance user experience and accessibility.</li><li>• Setting up a firewall with employee authentication via Active Directory and connection filtering, ensuring secure access and network protection.</li><li>• Tools used: PHP, MySQL, Bootstrap, JQuery, PfSense, Debian Linux</li></ul>   |

## EDUCATION

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| 2017 – 2020 | <b>Bachelor's Degree in IT, Electronics, and Telecommunications</b> – GSI University Antananarivo |
| 2016 – 2017 | <b>Bachelor's Degree in Management</b> – IET Amboanjobe Antananarivo                              |
| 2015 – 2016 | <b>Vocational Diploma in Management</b> – IET Amboanjobe Antananarivo                             |