

Martin Alexander Ramos Yampufé

Systems Engineering Student | Full Stack Developer

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🌐 martindotpy

Professional Profile

8th-semester Systems Engineering student at Universidad Tecnológica del Perú. Experienced in backend and frontend development, with knowledge in Data Science, Artificial Intelligence, and Big Data. Advanced skills in Python, Spring Boot, React, and Docker. Notable participation in hackathons. English level B2. Interested in contributing to technology innovation and data collection projects.

Education

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| BSc | Universidad Tecnológica del Perú (UTP) , Systems Engineering | Chiclayo, Peru |
| | <ul style="list-style-type: none">8th semesterRelevant courses: Algorithms and Data Structures, Databases, Object-Oriented Programming, Web Development | Mar 2022 – present |
| | Fundación Universitaria Konrad Lorenz , International Academic Exchange | Bogotá, Colombia |
| | <ul style="list-style-type: none">International program focused on Data Science, Artificial Intelligence, and Big DataStrengthened analytical, computational, and data visualization skills | Jan 2025 – June 2025 |

Experience

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| Hackathon UTP+ 2025 , Full Stack Lead — Second Place | Chiclayo, Peru |
| <ul style="list-style-type: none">Developed mobile app with Astro, integrating UTP+ Class, Portal, and BiblioReduced app size 100x and loading time from 4 min to 15 sec on 3G networkImplemented chatbot using FastAPI and GPT-3 MiniPerformance, UX, and scalability optimizations | June 2025 |
| Hackathon UTP+ 2024 , Backend Developer — First Place | Chiclayo, Peru |
| <ul style="list-style-type: none">Developed collaborative platform UTP+ CollabMicroservices architecture with Spring CloudIntegrated services in Java (Spring) and Python (FastAPI)Database management with MySQL, PostgreSQL, and Redis | June 2024 |

Projects

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| Quiz | Jan 2026 – Feb 2026 |
| Web platform to create, edit, and play quizzes with open-source AI support | |
| <ul style="list-style-type: none">Frontend with Astro and ReactBackend with FastAPIAI integrationModern UI with TailwindCSShttps://quiz.martindotpy.dev | |
| UTP One — Hackathon UTP+ 2025 | June 2025 |
| Unified high-performance application for UTP+ services | |
| <ul style="list-style-type: none">100x size reduction15-second load time on 3G networkIntegrated intelligent chatbotScalable architecturehttps://github.com/martindotpy/hackathon-utp-i-2025-utp-one | |

Image Coffee Utils

Nov 2024 – Dec 2024

Web tool for advanced image processing

- Cropping, resizing, filters, dominant colors
- Backend with Spring and FastAPI
- Interface with PrimeFaces
- <https://github.com/martindotpy/image-coffee-utils>

UTP+ Collab — Hackathon UTP+ 2024

June 2024

Collaborative platform with Kanban boards, roles, and intelligent chatbot

- Microservices with Spring Cloud
- FastAPI + OpenAI
- PostgreSQL + Redis
- <https://github.com/martindotpy/hackathon-utp-2024-microservices>

Certifications

- CCNA — Fundamentals of Switching, Routing, and Wireless Networks (Cisco, 2025)
- Cisco CCNAv7 (2024)
- English Level B2 — British Council (2023)

Skills

Languages & Frameworks: Python, Java, JavaScript, TypeScript, Rust, SQL, Spring Boot, Quarkus, React, Astro, FastAPI, Hibernate, TailwindCSS

Data & DevOps: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Plotly, SQLAlchemy, Redis, Docker, Docker Compose, Nginx

Tools: Git, GitHub, GitHub Actions, Coolify, Power BI, Word, Excel, PowerPoint, Linux, Windows, MacOS

Languages

- Spanish — Native
- English — B2

Additional Information

- Ability to work independently in the field with responsibility and autonomy.
- Good interpersonal skills for interacting with the public.
- Commitment, punctuality, and results-oriented.