LA TORRE ROMERO JOSE LUIS 🇵🇪

Web developer | Mobile | IoT | AI

Software Engineering Student

22

About me

I am a young Software Engineering student with experience in Full-Stack development, IoT solutions, data analysis, and task automation. Passionate about innovation, I enjoy transforming ideas into functional products that create real impact.

📞 +51 941 831 923

✉️ joselatorre143351@gmail.com

🐙 https://github.com/AdminLTR

🌐 https://adminltr.github.io/

in https://www.linkedin.com/in/jose-luis-la-torre-romero-7bb5442a6/

SKILLS

- Frontend development with ReactJS, jQuery, Bootstrap, TailwindCSS, and several other technologies

- Backend development with Python, JavaScript, and PHP using different frameworks

- Database management of relational and non-relational systems with MySQL, PostgreSQL, SQL Server, SQLite, and MongoDB

- Use of Selenium WebDriver with Python for web scraping and test automation

- IoT product development from hardware to software using microcontrollers such as ESP32 and Arduino

- Data analysis with Excel and Python libraries such as NumPy, Pandas, Matplotlib, and Scikit-learn

- Task automation with Python scripting and tools like N8N

- Agile software development with the SCRUM framework and project management using Jira

EDUCATION

Universidad Nacional Mayor de San Marcos
2022 - Today
Currently pursuing the **8th semeste**r of the
Software Engineering degree

Centro de Informática UNMSM (CINFO)
March 2022
Computer Tools Course (HINFO). Excel, Word, PowerPoint.

LANGUAGES

- Spanish (Native) 🇪🇸
- English (B2) 🇬🇧
- Italian (B2) 🇮🇹
- Portuguese (B2) 🇧🇷
- German (A1) 🇩🇪

EXPERIENCE

GM Group

Developer and IT Support
April 2025 - Today (REMOTE)

https://gestionmorosos.com/

- Development of web applications for both frontend and backend.
- Design, modeling, and management of databases.
- Definition and maintenance of scalable architectures.
- Deployment and monitoring of production systems.
- Data analysis to support decision-making.
- Implementation of web scraping processes.
- Technical support and continuous system optimization.

Technologies: ReactJS, Bootstrap, TailwindCSS, ExpressJS, Flask, Django, ChromaDB, MySQL

VOLUNTEERING

ENEISOFT

Development team lead
October 2024 - November 2024

https://eneisoft.org/

I coordinated the development team for the creation and deployment of the event's official landing page. I managed and centralized key information, automating processes to optimize operational management. In addition, I actively collaborated in the planning and execution of logistical activities, contributing to the success of the event at a national level.

Technologies: JQuery, Bootstrap, Python, SEO, Excel

PROJECTS

SmartTachito
Smart trash can IoT and AI

https://adminltr.github.io/SmartTachito-landing/

I developed an integrated hardware and software system that leverages Artificial Intelligence and the Internet of Things to automatically classify waste by type. The project was recognized for its innovation and sustainability, receiving awards at events organized by UNI and UNMSM.

Topics: Arduino, ESP32, Django, OpenCV, Keras, ReactJS, Mapbox

PotAI
Smart IoT Irrigation System

https://github.com/adminLTR/PotAI

I designed an intelligent automated irrigation system that uses environmental sensors and an AI model to calculate the exact amount of water each plant needs, optimizing water consumption according to its species and surrounding conditions. The system integrates IoT hardware and a software-controlled water pump, reducing waste and promoting efficient resource management.

Topics: Arduino, ScikitLearn, Django, Bootstrap