

Alexander Sirlupu Meza

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Professional Profile

Computer Engineering student with experience in web system development, process automation, and data management within institutional environments. I have participated in projects that combine web development, data analysis, and Business Intelligence solutions, helping optimize administrative and information management processes. Skilled in databases, dashboard creation, and low-code automation tools, with a strong interest in applying practical solutions that improve operational efficiency.

Education

Universidad Peruana Cayetano Heredia (UPCH) — Computer Engineering *In progress*

Británico — Intermediate English *In progress*

Oracle - Alura Latam — Backend *2025*

Oracle - Alura Latam — Backend Developer *2023*

Relevant Courses

Advanced Programming • Databases • Information Systems • Algorithms and Data Structures • Software Project Management • Software Quality • Introduction to Machine Learning • Data Visualization • Data Communication and Networks • Advanced Topics in Information Security • IT Law.

Experience

Intern: Health Manager and Software Developer — Oficina Universitaria de Bienestar Estudiantil (OUBE), Universidad Peruana Cayetano Heredia (UPCH) *(Current)*

- Management of medical appointments and coordination of PEMA evaluations for students.
- End-to-end development of internal systems for the department.
- Technical and functional support for the Tópicos system; automation of internal processes.
- Support in nutrition service operations and digitalization of medical records.

Software Development Internship — Oficina Universitaria de Bienestar Estudiantil (OUBE), Universidad Peruana Cayetano Heredia (UPCH) *(2024)*

- Design and implementation of applications for process management.
- Development of BI dashboards and training of administrative personnel.

Computer Support and Diagnostics *(2022)*

- Hardware/software diagnostics and repair; user support and incident logging.

Projects

Work Projects

Nutritional Care Management System — UPCH/OUBE *(In development)*

Platform for appointment booking and follow-up of nutrition consultations with clinical history and personalized plans.

Stack: TypeScript, PHP, Laravel (Sanctum), PostgreSQL, Tailwind.

Ticket Sales System (UPCH Anniversary) (2025)

Ticketing system with seat selection (Ticketmaster-style), payment validation, and QR generation.

Stack: TypeScript, PHP, Laravel (Sanctum), PostgreSQL, Tailwind.

ReWork — Tópicos Registration System UPCH (2025)

Web application with real-time authentication and NoSQL database.

Stack: Firebase (NoSQL), HTML, SCSS, JavaScript, React.

Patient Registration Web System (2024)

Patient and consultation management. *Firebase, HTML, CSS, JavaScript.*

Course Projects

Dashboard: Analysis of Tópicos Medical Consultations (2024)

Exploration of indicators and trends in student medical services. *Power BI, Excel.*

Accessible Mobile App (Prototype) (2024)

Figma prototype for accessible routes and spaces.

Methane Monitoring Device (2023) — Arduino and sensors.

Turbidity Monitoring Device (2023) — Arduino and sensors.

Interactive Dashboard: COVID-19 Deaths (2022) — *Python (Streamlit).*

Certifications

- Introduction to Cybersecurity — Cisco Networking Academy (*Nov 2025*)
- HTML, CSS, and JavaScript — Oracle Alura Latam (*Jan 2025*)
- Git and GitHub — Oracle Alura Latam (*Jan 2025*)
- Professional Development — Oracle Alura Latam (*Jan 2025*)
- Business Intelligence Foundation — CertiProf (*Sep 2024*)
- Scrum Foundation — CertiProf (*Sep 2023*)
- AWS Academy Cloud Foundations — AWS (*Jun 2023*)

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, PHP, Python, SQL, DAX

Frameworks/Libraries: React, Laravel, Firebase

Tools/Platforms: Git, VSCode, Figma, Jira, MySQL Workbench, JMeter, Slack, Power BI, Azure, Tableau, Google Cloud

Knowledge Areas: Scrum, ETL and data modeling, advanced office tools, technical support, basic Linux/Azure administration

Soft Skills

Teamwork • Effective communication • Adaptability • Proactivity • Problem-solving • Time management