

Matias Falconaro

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SUMMARY

As a developer, I'm driven by the excitement of creating meaningful and impactful solutions. Crafting code that not only solves business problems but also brings me joy is at the core of my work. Some of my soft skills are being analytical, adaptable, collaborative, and committed. I also enjoy spending time with my family and friends, cycling, and swimming.

EXPERIENCE

Ssr. Python Developer | Scienza Argentina 2024 | 2025

- Automation of workflows using Python and virtualization tools.
- Productive integration of the OpenAI API for auditing documentation, reading medical prescriptions, and cross-referencing with laboratory delivery notes.
- API integration and development using FastAPI.
- Creation of documentation and training materials.
- Leadership in the implementation of version control and DevOps with Git and GitHub, as well as best development practices (Object-Oriented Programming, modular architecture, SOLID principles, and PEP standards).
- Support in monitoring and improving automated processes.

Ssr. Software Developer | Baticon S.A. 2022 | 2024

- Create database schemas using ER diagrams, DDL and SQL for data storage and retrieval.
- Develop ETL processes to integrate and transform data from various sources into centralized databases.
- Integrate AI APIs into web applications and orchestrate open-source MMLs locally with vectorial batabases in chatbots to create RAG architectures.
- Build RESTful APIs to facilitate data access and manipulation for frontend applications and databases as microservices.
- Integrate data from various sources, including external APIs, CSV files, and third-party databases, ensuring data consistency and integrity.
- Implement data security measures such as encryption, access controls, and compliance with data protection regulations.
- Collaborate with data analysts to provide backend support for data analysis and machine learning models.
- Monitor and manage data pipelines to ensure smooth and efficient data flow across systems.
- Implement data backup and recovery strategies to ensure data availability and integrity.
- Implement CI/CD pipelines for automated testing and deployment of backend data services.

IT Support | Pilcomayo SRL 2015 | 2022

- Oversee and manage the company's IT infrastructure, including servers, networks, and workstations, ensuring performance and uptime.
- Provide technical support to employees, troubleshooting hardware and software issues, and resolving technical problems.
- Maintain and monitor the company's network, including configuring routers, switches, firewalls, and VPNs to ensure secure and reliable connectivity.
- Install, update, and maintain software applications, ensuring they are running smoothly and securely.
- Create and manage user accounts, permissions, and access controls to protect sensitive company data.
- Implement and manage data backup solutions, ensuring regular backups and the ability to recover data in the event of hardware failures or data loss.
- Implement and enforce IT security policies, including antivirus solutions and firewalls.
- Manage and maintain computer hardware, including desktops, laptops, printers, and other peripherals, ensuring they are in good working condition.
- Coordinate with IT vendors for the procurement, installation, and maintenance of hardware and software products.

SAP PM Base Line Support | Etex Group Argentina 2013 | 2014

- Create, assign, and configure technical locations in SAP to support asset management and maintenance activities.
- Develop and configure maintenance plans, ensuring that all preventive maintenance tasks are scheduled and executed efficiently.
- Generate and manage work orders, coordinating with maintenance teams to ensure timely completion of maintenance activities.
- Create and manage purchase requests in SAP, ensuring they are properly documented and tracked through to resolution.
- Maintain and update equipment master data, including creation, modification, and deactivation of equipment records.
- Configure and manage preventive maintenance schedules, ensuring optimal performance and longevity of assets.
- Provide training and support to users on SAP functionalities related to maintenance management, ensuring effective use of the system.

SKILLS

Python | Flask | Pandas | SAP HANA Cloud | SAP S/4HANA | PostgreSQL | SQLAlchemy | HTML5 | CSS3 | Bootstrap | JavaScript | Git | GitHub | Docker | CloudFoundry | AWS | SAP BTP | MS Excel | Linux | bash scripting | Open AI API | Ollama | Llama 2 | nomic-embed-text | TDD | LangChain | Scrum | RAG

LANGUAGES

Spanish | Native -

English | Professional competence

EDUCATION

Universidad de palermo 2023 | 2026

- Undergraduate Diploma | Systems analysis

Universidad Tecnologica Nacional 2023 | 2024

- Diploma | Python Software Development

Educacion IT

- Course | Introduction to web development 2022
- Course | Advanced web design 2022
- Course | Introduction to Python 2023