

Sebastian Garcia

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Experience

TRANZACT

Fort Lee, NJ - Remote

Ssr. Software Engineer - Systems Configuration Specialist

Sep 2024 – Present

- **Led AI & .NET Automation:** Directed the digital transformation of Post-Sales operations by implementing **.NET** and **AI** solutions, achieving significant reduction in manual errors and substantial operational efficiency gains.
- **Full-Stack Workflow Optimization:** Engineered custom automation scripts and tools using **JavaScript** and **SQL Server** to streamline complex operational workflows and manage high-volume data processing.
- **Cloud Migration & DevOps:** Spearheaded system migration to **AWS** and Genesys Cloud, establishing robust **CI/CD** practices (TeamCity, Git) and utilizing **Python** for cloud infrastructure and automation scripting.
- **Generative AI Implementation:** Developed and deployed Generative **AI** components (RAG assistants) for internal support and process automation, leveraging the **LangChain** framework with embeddings and vector databases.

ERNST & YOUNG

Lima, Peru

Software Engineer

Jan 2022 – Aug 2024

- **Designed and developed web solutions** for Risk Management in local and international projects, adaptable across multiple industries.
- **Led development and QA teams** of three or more members, ensuring adherence to deadlines and quality standards.
- **Developed web applications** utilizing a technology stack including **.NET**, **React.js**, **SQL Server**, **Azure**, and **Power BI**.
- **Automated data analysis using Python**, optimizing workflows and reporting for global clients, while also implementing information security measures and performing technical/cost estimations for new projects.

Skills & Interests

Programing Languages: C#, C++, JavaScript, Python

Frameworks: .NET, FastAPI, NestJS, NextJS, ReactJS, Scrum

Database: Amazon DynamoDB, SQL Server, Vector Databases

Language: English (Professional - C2, EF SET 72/100), Spanish (Native)

Tools: AWS Cloud, Azure, Docker, Firebase, Git, Octopus, Power BI, TeamCity

AI and Machine Learning: AI Agents (LangChain Agents), LangChain, RAG, TensorFlow

Certifications: AWS Certified Solutions Architect, Microsoft Certified: Azure Fundamentals

Interest: Cloud Computing, Generative Artificial Intelligence, Process Automation, System Optimization

Education

University of Engineering and Technology (UTEC)

Lima, Peru

Master of Science in Data Science and Artificial Intelligence (MSc)

Apr 2026 - Mar 2028

Relevant Coursework: Deep Learning, Big Data, Computer Vision, Applied High-Performance Computing, and Machine Learning.

Massachusetts Institute of Technology Initiatives (MISTI)

Lima, Peru

Artificial Intelligence and Data Science Immersion Program

Jan 2027

Relevant Coursework: Applied Machine Learning, Computational Modeling, and Innovation in Data Science.

Peruvian University of Applied Sciences (UPC)

Lima, Peru

Bachelor's Degree in Mechatronics Engineering

Mar 2028 - Jul 2023

Relevant Coursework: Control Systems, Embedded Programming, Data Analysis, and Automation.

Article: "A Comparative Analysis of the Efficiency Between Different Datasets in the Identification of Dogs and Cats in a CNN"