JAVIER BUSTOS

SUMMARY

Javier is an AI Developer with over 6 years of experience and a strong background in Data Science. He has extensive experience with technologies such as Python, FastAPI, PostgreSQL, and Jenkins. He specializes in developing and deploying microservices for Computer Vision and NLP applications. Additionally, through prompt engineering, he optimizes inputs for various LLMs to improve performance.

SKILLS

- Python (6 years)
- FastAPI (3 years)
- LLM (1 year)
- Prompt Engineering (1 year)
- PostgreSQL (2 years)
- NLP
- Jenkins
- Docker

EXPERIENCE

Nisum

August 2023 - Ongoing

Nisum is a leading technology consulting partner based in Silicon Valley that designs and builds custom digital commerce platforms.

- Develops and deploys microservices that combine Computer Vision, Natural Language Processing, and traditional programming to extract unstructured data from documents.
- Communicate with potential clients to develop technical proposals and tailored action plans that effectively meet their needs.
- Leads a technical project involving generative AI to create Proof of Concepts (POCs) and generate internal knowledge for potential clients.
- Utilize Large Language Models (LLMs) to generate insights and add value through advanced AI solutions.
- Collaborate with cross-functional teams to ensure the successful integration of AI solutions into production environments.
- Stay updated on the latest advancements in AI technologies, sharing cutting-edge knowledge with teammates to foster continuous learning and innovation.

Role: AI Manager

Technologies: Python, LLM, LLMOps, NLP, MLOps, Docker, Jenkins

Independent Contractor

March 2024 - October 2024

- Develop chatbot sales assistants using Large Language Models (LLM) and Retrieval Augmented Generation (RAG) techniques.
- Engage with potential leads to explain the benefits and outcomes of the solutions.
- Primarily target medium and small-sized companies in Chile.
- Assist early-stage startups in acquiring competitive AI capabilities.
- Design recommendation systems tailored for minimum viable products (MVPs) and customer engagement, with a focus on the US market.

Role: AI Developer

Technologies: LLM, RAG

NHL Stenden

October 2022 - August 2023

NHL Stenden University of Applied Sciences is a multidisciplinary institution located in the Netherlands, known for its innovative approach to higher education.

- Led a team to develop an MVP integrating speech-to-text technology for accurate transcription of recorded conversational data. Evaluated tools for optimal performance in speed and accuracy.
- Used ChatGPT API to conduct text analytics on transcriptions, focusing on sentiment analysis, topic categorization, and intent recognition to derive key insights.
- Worked with cross-functional teams to align MVP features with business needs and mentored junior developers on API integrations and best practices.
- Conducted testing and user feedback sessions, refining the MVP for accuracy and efficiency. Created documentation for future updates and scaling.

Role: Team Lead

Technologies: ChatGPT API, API integrations

Coderhub

November 2021 - October 2022

Coderhub is a company that provides customized software solutions to optimize data management, process automation, and decision-making through data mining models and performance reports.

- Utilized NLP technologies for monitoring massive messaging systems (SMS) for the client.
- Developed, deployed, and monitored machine learning classification models using large datasets.
- Conducted analytics and created KPIs to evaluate customer service performance.

Role: Data Scientist

Technologies: NLP

Chilexpress

June 2021 - November 2021

Chilexpress is a leading logistics and courier company in Chile, dedicated to connecting individuals, businesses, and institutions through customized delivery solutions.

- Developed, deployed, and monitored a predictive failure model to improve operational reliability and preemptive maintenance.
- Created the company's first Machine Learning model utilizing Big Data technologies, setting a foundational approach for future analytics.
- Mentored teams across the company in Machine Learning model development, fostering a culture of innovation and technical growth.
- Recognized as a company expert in failure prediction, providing strategic insights to enhance system resilience.
- Optimized internal processes by applying cutting-edge technologies and more efficient programming practices, driving operational efficiency.
- Implemented Big Data solutions within the company, establishing a robust infrastructure for large-scale data processing.
- Performed advanced analytics to provide a data-driven perspective on the company's current context, supporting informed decision-making.
- Led the "Data Science CXP" group, an initiative to unite data scientists across the company and promote knowledge-sharing and democratization of data science expertise.

Role: Data Scientist

Technologies: MLOps

Evalueserve

October 2019 - June 2021

Evalueserve is a global company providing technology-driven managed services to enhance decision-making. Its domain-specific AI solutions, supported by 5,000+ experts, are trusted by Fortune 1000 clients.

- Conducted advanced data analytics to optimize a distribution network, focusing on efficiency improvements.
- Performed descriptive and prescriptive analyses of data-driven phenomena, providing actionable insights for decision-making.
- Executed data engineering and visualization for a complex optimization problem in an international logistics company.
- Engineered and harmonized data while transferring knowledge to various development teams, promoting data literacy.
- Provided macro support for accounting in VBA for a major mining company, optimizing the process and enhancing flexibility.
- Developed Machine Learning and Deep Learning models for internal projects as an active member of the Machine Learning Club.
- Created multiple models and visualizations for internal projects using a variety of libraries, improving data accessibility.
- Designed and developed internal projects with UX/UI frameworks, focusing on user-centered solutions.
- Acquired proficiency in technical tools including Python, Tableau, Excel, VBA, and SAS.
- Gained an understanding of data processing techniques, such as preprocessing, data analysis, and visualization, to highlight relevant insights for consumers.

Role: Data Scientist Associate

Technologies: Python, Tableau

EDUCATION

- **Bachelor's degree in Mathematics,** Pontifical Catholic University of Valparaíso - Chile (2015 - 2018)
- **Master's Degree in Computer Vision & Data Science,** NHL Stenden - Chile (2022 - 2023)

LANGUAGES

- **Spanish:** Native
- **English:** Proficient (B2)