

Kevin Speyer — Machine Learning Engineer

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PROFESSIONAL EXPERIENCE	<i>Lead Machine Learning Engineer</i> at ZS	2025 – Present
	<ul style="list-style-type: none">Built an LLM-based recommendation system to autocomplete clinical trial protocols using text embeddings, achieving 70% precision.Designed a knowledge graph-based similarity algorithm to rank clinical study documents by semantic distance.	
	<i>Senior Machine Learning Engineer</i> at D24	2022 – 2025
	<ul style="list-style-type: none">Developed a transaction redirection system with predictive time-series ML and evolutionary optimization, reducing manual intervention and cutting operational costs by 8%.Built a LightGBM-based credit card fraud prevention API (Flask, Docker, AWS), reducing chargebacks by 80%.Created an LTV model (DynamoDB, FastAPI) to optimize partner retargeting campaigns.Automated 60% of customer ticket resolutions via an OCR-powered, event-driven bot.	
	<i>Senior Machine Learning Engineer (Lead)</i> at Jampp	2020 – 2022
	<ul style="list-style-type: none">Led real-time bidder pricing module using control theory, increasing budget spend from 92% to 98%.Built a nonparametric A/B testing platform for non-Gaussian data analysis.Created Airflow/Superset dashboards and an LTV-based targeting model, reducing CPA by up to 30%.	
	<i>Machine Learning Engineer</i> at Cybertec Schönig & Schönig GmbH	2018 – 2020
	<ul style="list-style-type: none">Implemented a genetic algorithm for resource optimization in the meat industry, increasing revenue by 25%.Fine-tuned GPT-2 on domain-specific data for a custom text generation app.Applied reinforcement learning (Q-learning) to logistics optimization, benchmarking with OR-Tools.	
EDUCATION	<i>PhD in Computational Physics</i> “Simulations of liquid flow confined by semiflexible polymer brushes” University of Buenos Aires, CNEA-CONICET	2014 – 2019
TECH STACK	<i>Languages & Libraries:</i> Python (NumPy, SciPy, Pandas, Matplotlib, scikit-learn, scikit-optimize, Keras, TensorFlow, Cython, Selenium, Flask, FastAPI), SQL, Vue.js <i>Infrastructure & Tools:</i> Linux, Git, AWS, Azure, Docker, Jenkins, Kubernetes, Bitbucket Pipes	
LANGUAGES	Spanish (native), English (fluent), German (fluent), Portuguese (intermediate)	