

*Accomplished machine learning engineer with strong track record of delivering successful projects and driving innovation in machine learning.*

Comprehensive experience in designing, developing, and deploying advanced machine learning models and algorithms to solve complex business problems. Well-versed in leading and mentoring cross-functional teams of data scientists and engineers, driving collaboration, and achieving project milestones. Demonstrated success in developing scalable machine learning pipelines, ensuring efficient data processing and model deployment. Strong analytical and problem-solving abilities, with keen eye for identifying patterns and extracting actionable insights from complex datasets. Excellent communication skills, capable of translating technical concepts to non-technical stakeholders.

## Technical Proficiencies

<b>Languages:</b>	Python, Java, Golang, Groovy, JavaScript
<b>Development Frameworks:</b>	Spring Boot, JUnit, Grails, Flask, Fast API, Django, Gin, Spark, Pytest, NodeJS, React
<b>ML Platforms:</b>	SageMaker, Vertex AI, Kubeflow, ML Flow
<b>ML Frameworks &amp; Tools:</b>	Scikit-Learn, PyTorch, TensorFlow, Keras, Pandas, Numpy, DVC, Jupyter, Textract
<b>Analytics &amp; Reporting:</b>	Tableau, Google Analytics
<b>AWS Compute &amp; Networking:</b>	ECS, EC2, ECR, AS, EKS, Fargate, Lambda, API gateway, CloudFront, Route 53, VPC, ELB
<b>AWS Databases, Storage &amp; Analytics:</b>	Aurora, DynamoDB, RDS, Redshift, Redis, EBS, EFS, S3, Glacier, Glue, Athena, QuickSight, EMR
<b>AWS Identity &amp; Security:</b>	Cognito, IAM, LakeFormation, SM, RAM, KMS
<b>AWS Application integration:</b>	EventBridge, SNS, SQS, Step Functions
<b>Monitoring:</b>	New relic, Kibana, Datadog, Grafana, CloudWatch, Sentry
<b>Data Engines:</b>	Teradata, Hive, Presto, MySQL, BigQuery, ElasticSearch
<b>IaC:</b>	Terraform, CloudFormation
<b>CI/CD:</b>	GitLab CI/CD, Jenkins
<b>Agile:</b>	JIRA, Zenhub, Notion

## Professional Experience

Konfio, (Remote)

2021 – Present

### Lead Machine Learning Engineer | Machine Learning Engineer

Drive ML development roadmaps to ensure successful MLOps capabilities to support production of AI models. Enable production of innovative AI solutions by taking ownership of AI technology roadmap. Liaise with data engineering and data science teams for successful deployments.

- Improved speed of release process of machine learning by 400%.
- Developed end-to-end automated infrastructure pipelines for experimentation, training, real-time, and batch predictions within six months.
- Organized risk and cashflow machine learning models with full impact on investment portfolio of about \$1B for loans.
- Collaborated with data engineers for designing, developing, automation, and orchestration of six data pipelines for fraud detection, inflation, cashflows, and risk tier models.

### Machine Learning Focal Point

Facilitated cross-business unit teams in finding insights into discoveries and ways to implement new ML solutions by serving as Subject Matter Expert for fintech products. Maintained knowledge about latest advancements in machine learning algorithms, tools, and technologies.

- Spearheaded interaction between business and machine learning areas aimed at defining analytical needs and generating pull-through of insights with business.
- Facilitated five cross-business unit teams in finding insights into discoveries/ways to implement new ML solutions on fintech products.
- Improved machine learning business metrics to facilitate measurement of real impact of collections models on USD 88M per month and payment flows on USD 350M per month.

### Data Scientist & Machine Learning Engineer

Developed, tested, and implemented machine learning algorithms and models to solve complex business problems and extract valuable insights from data. Analyzed complex data sets and conducted in-depth statistical analysis to identify patterns and trends aimed at driving new business solutions. Examined quantifiable impact on executive decisions by applying new models to forecast future results. Created baseline for lending collection NLP chatbot.

- Reduced fraud-detected transactions in Brazil by 60% and Argentina by 65% payment flow and prevented USD 1M and USD 2M in profit loss per week respectively by designing and executing real-time machine learning model for fraud prevention.
- Led deployment, testing, and monitoring of fraud API with 100K requests per minute.
- Enabled handling of 80% of customers' communications and enquires by introducing chatbot PoC via WhatsApp.

### Software Engineer

Designed, developed, and maintained high-quality software solutions by collaborating with development team. Tested and debugged software applications to identify and resolve issues or bugs. Contributed to design and architecture of software systems, ensuring scalability, performance, and maintainability.

- Increased loans from USD 500K to USD 3B in three years by designing and deploying core systems for lending and payment businesses.
- Introduced collections notification systems to notify 1M devices per week.
- Performed experimentation including A/B testing to understand customers' behavior in lending flows for 2M users by designing and executing analytics tracking tools.
- Acted as Integration Engineer with third-party banks and Mercado Libre marketplace with 200M users.

## Education

Engineer's degree, Information Systems Engineer, 2019 • Universidad Tecnológica Nacional (UTN)

## Professional Development

AWS Solutions Architect – Associate, 2022