

# Juan Cruz Fortunatti

Argentina | +5492914130879 | juancfortunatti@gmail.com | [linkedin.com/in/juancfortunatti/](https://www.linkedin.com/in/juancfortunatti/)

Accomplished AI and Software Engineering Leader with 10+ years of experience delivering transformative technology solutions for global enterprises. Expert in generative AI, data visualization, and full-stack development, with proven success at companies like PayPal, TriNet, and The Walt Disney Studios. Known for driving operational efficiency and for inspiring teams to consistently achieve measurable results.

## EXPERIENCE

**Improving**, US (Remote) - Full Time

May 2024 - Today

### AI Solutions Architect & Lead Consultant

- Architected an advanced agent creation platform leveraging LangGraph, LLMs and NLP techniques that enabled developers to develop and showcase MVP AI agents, reducing project turnaround times by 30% and kickstarting 3 new client projects.
- Guided clients through strategic Artificial Intelligence implementations to overcome challenges such as documentation and data gathering.

**Vocale.ai**, US (Remote) - Part Time

2023 - 2025

### Lead AI Engineer

- Built the PoC and led the development & launch of Vocale.ai, an AI-powered voice integration platform that enhances productivity in form-based workflows.
- Led client integrations for major European enterprises in industries like energy, deploying Vocale.ai into their internal infrastructure.
- Achieved a 25% productivity boost for clients by reducing form-loading times and improving data input efficiency.

**Leniolabs LLC**, US (Remote) - Full Time

Feb 2019 - May 2024

### Head of Innovation

Jan 2022 - May 2024

- Spearheaded AI initiatives with hands-on coding and leadership, delivering 2 major prototypes adopted company-wide.
- Drove GenAI and Natural Language Processing research projects that boosted team engagement and produced actionable insights.
- Organized technical meetups and internal talks that generated 3 innovative projects across departments.
- Developed custom applications for HR, sales, and branding, significantly improving operational efficiency.
- Performed more than 70 technical interviews in the last year, for Front, Back, FullStack and AI roles.

**TriNet** (AWF - Leniolabs), US (Remote) - Part Time

Jan 2023 - May 2024

### Machine Learning Engineer

- Created an AI Chatbot from the ground up to help Call Center Agents with internal processes and reduce workflow bottlenecks.
- Led initiatives in data processing, prompt engineering, fine-tuning, and MLOps within the AWS ecosystem, utilizing services such as AWS EC2, AWS S3, and AWS Lambda, noticeably improving system performance.
- Launched 2 additional AI projects following the chatbot's success, expanding the company's AI capabilities.

**The Walt Disney Studios** (AWF - Leniolabs), US (Remote) - Part Time

Feb 2022 - Aug 2022

### Senior Software Engineer

- Expanded a data visualization dashboard for internal movie and project catalogs, enhancing data accessibility.
- Collaborated on creative solutions that accelerated content curation and supported strategic decision-making.

Tech Lead & Senior Full Stack Engineer

- Implemented a comprehensive data visualization React library from scratch, used in over 20 internal dataviz projects (at my time of departure).
- Engineered custom vector-tile generators and Python scripts that accelerated data processing to support 2 major analytical initiatives.
- Created scalable GIS tools that streamlined internal analytics and reduced report generation times.

Full Stack Developer

- Developed robust web applications using Django, ReactJS, C# MVC, MSSQL, and PostgreSQL, significantly enhancing system performance.
- Coordinated development teams and mentored new members, leading to improved project delivery timelines.
- Engineered scalable API REST architectures and innovative desktop solutions—including a remote shutdown capability—that increased system reliability.

EDUCATION

Degree: Physics (Advanced undergraduate studies)

- **Mathematics:** Calculus I & II, Algebra & Geometry, Advanced Applied Mathematics, Probability and Statistics
- **Physics:** • Electromagnetism, Thermodynamics, Mechanics & Analytical Mechanics

LANGUAGES

- English - High Proficiency
- Spanish - Native Speaker

SKILLS

- **Software Development:** Python (Django, Flask), JavaScript (React, Node.js, Next.js, Angular, Express.js), TypeScript, C#, SQL
- **Machine Learning & Generative AI:** NLP, Deep Learning, regression/classification models, neural networks, LLMs (Large Language Models), GAI (commercial APIs & self-deployed pipelines), chatbots, prompt engineering, Retrieval-Augmented Generation (RAG), MLOps, AWS SageMaker, Pandas, OpenAI API, LangGraph, LangChain, Pydantic AI, CrewAI, Pytorch, TensorFlow, MCP (Model Context Protocol)
- **Infrastructure & DevOps:** Docker, Docker Compose, Kubernetes, AWS (CDK, EC2, RDS, ECR, Lambda), CI/CD pipelines, Infrastructure as Code.
- **Database & Data Analytics:** PostgreSQL, MySQL, Vector databases (PGVector), data visualization (D3.js), GIS tools, data enrichment.
- **Leadership & Communication:** Technical leadership, project management, client presentations, mentoring; bilingual in English and Spanish.

LICENSES & CERTIFICATIONS

- **Advanced Learning Algorithms**  
Coursera | Issued Jul 2024  
Credential ID: [TE7FBP373KQ7](#)
- **Supervised Machine Learning: Regression and Classification**  
Coursera | Issued Jul 2024  
Credential ID: [ATDGUH4TMMJE](#)
- **Unsupervised Learning, Recommenders, Reinforcement Learning**  
Coursera | Issued Jul 2024  
Credential ID: [FVN6MYXTAYM8](#)