

JUAN CARLOS YOVERA CRUZ

AI Engineering Manager · AI Architect · Technical Lead (LLMs · RAG · Generative AI)

Lima, Peru (Remote) · jcyovera@gmail.com · jconsoftware.com · [LinkedIn](#)

PROFESSIONAL SUMMARY

AI Engineering Manager and Architect with 19+ years of experience leading distributed teams and delivering enterprise-grade software and AI solutions. Specialized in Generative AI, LLMs, RAG pipelines, and agentic workflows — with hands-on delivery across healthcare, insurance, and SaaS verticals. Track record of reducing proposal processing time by 70%, building knowledge retrieval systems at 1M+ document scale, and scaling AI adoption across engineering organizations. Strong background in cloud architecture (AWS/Azure), full-stack development, and servant leadership.

KEY ACHIEVEMENTS

- Reduced RFP proposal preparation time by 70% using LLM-powered automation and agentic workflows.
- Designed and deployed a scalable RAG pipeline processing 1M+ enterprise documents with vector embeddings.
- Led AI adoption for 10+ engineers — mentoring on LLMs, LangChain, RAG architecture, and AI security.
- Built actuarial AI platform combining rule engines with LLM summarization for Gain & Loss analysis.
- Implemented AI security governance practices (prompt injection defense, data protection) for enterprise deployment.

CORE SKILLS

AI / LLMs	Generative AI, LLMs, RAG Pipelines, AI Agents, Prompt Engineering, LangChain, Vector Databases (MongoDB), OpenAI API, n8n AI Automation, AI Security & Governance
Backend	Node.js, NestJS, Python, REST APIs, Microservices, System Design, .NET MVC
Frontend	Angular, React, Next.js, Vue.js, DevExpress, ArcGIS
Cloud & DevOps	AWS, Azure, Docker, Kubernetes, CI/CD (GitHub Actions, Azure DevOps), Firebase, DynamoDB
Data	MongoDB, SQL, NoSQL, Token Embedding, Chunking Strategies
Leadership	Team Leadership, Hiring & Mentoring, Agile/Scrum/Kanban, Stakeholder Management, Design Thinking
Tools	JIRA, Confluence, Figma, Axure RP Pro, Claude Code, Git

PROFESSIONAL EXPERIENCE

Halo Media LLC | AI Engineering Manager / Technical Lead | 2022 – Present · Remote

- Led all AI initiatives integrating LLMs, RAG, LangChain, and autonomous AI agents for client and internal products.
- Architected secure retrieval pipelines with vector databases in MongoDB using OpenAI embeddings and custom chunking strategies.
- Built agentic workflows to automate RFP responses, internal reporting, and knowledge retrieval — cutting proposal time by 70%.
- Developed actuarial AI platform: processed Excel/PDF reports into structured pipelines and combined rule engines with LLM summarization.
- Integrated n8n AI workflows with external APIs, streamlining repetitive business processes across departments.
- Defined and enforced AI security practices to mitigate prompt injection, data leakage, and governance risks.
- Managed SDLC using Agile, JIRA, and Azure DevOps; recruited and mentored 6–10 engineers.

- Used Claude Code for spec-driven, AI-accelerated development workflows.

Stack: OpenAI API · LangChain · Vector DB (MongoDB) · Angular · React · NestJS · Python · AWS · Azure · n8n · Git

Agnos Inc. | Angular Lead Front-End | 2022 · Remote

- Developed and maintained healthcare web applications, improving data visualization, usability, and performance.

Stack: Angular · ReactJS · Python · AWS · REST APIs · Git

Skani AI (Notch Team LLC) | Senior Angular Front-End Developer | 2021 – 2022 · Remote

- Contributed to an AI-powered machine learning platform for organizational work telemetry analytics.
- Implemented AI-driven front-end components in Angular and DevExpress, working closely with UX teams.

Stack: Angular · Python · JavaScript · DevExpress · Azure DevOps · AI APIs · Git

ManageYourID | Front-End Architect | 2020 – 2021 · Remote

- Designed ArcGIS geospatial solutions for enterprise identity management with anonymization and privacy compliance.
- Built data visualization tools enhancing geospatial analytics and global data protection law compliance.

Stack: C# · ArcGIS · .NET MVC · React · Angular · Azure DevOps · Git

Belatrix Software (Globant Division) | SME / Front-End Architect | 2014 – 2020

- Led front-end architecture for enterprise clients — defining scalable UI best practices, component libraries, and mentoring teams.
- Designed proof-of-concept apps and UI prototypes demonstrating cutting-edge UX approaches to stakeholders.
- Integrated Google Cloud solutions to enhance application scalability and reliability.

Stack: Node.js · React · Angular · Vue.js · Google Cloud · .NET MVC · REST API · Git

EARLIER EXPERIENCE

Access Financial — Senior UX/UI Engineer (2012–2014) · **Avantica Technologies** — Software Developer (2010–2011) · **Quipu Technology** — Developer / Scrum Master (2006–2011) · **Techrules (Madrid, Spain)** — Expert Time Systems, Internship (2006)

EDUCATION & CERTIFICATIONS

- System Analyst — ETS University of Piura, Peru (2006)
- Digital Graphic Designer — Peruvian Institute of Art and Design (2009)
- Human-Computer Interaction — Coursera / Stanford University, with Distinction (2013)
- Scrum Master Certified (2017)
- Google Project Management Certificate — Coursera (July 2024)

AFFILIATIONS & ONLINE PRESENCE

- Interaction Design Foundation — Member since 2015
- Google Project Management Certificate Community — Member since 2024
- Personal site with YouTube channel & Spotify podcast: iconsoftware.com