

Jorge Monasterio

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Summary

Software Architect / Engineer / Leader with experience at large SaaS projects and numerous startups. Looking for a role as **hands on** technical individual contributor.

Employment History

LLM API Engineer, Founder

May/2024 – Present **Arbio.AI**

- Developed SaaS based system for routing traffic between LLM providers based on cost, performance and availability. Automatically convert between LLM APIs.
- Created technical roadmap for proxy backend and token security.
- Worked with sales team to find and onboard new customers, providing technical assistance and updating product for customer success.

Software Systems Architect

May/2020 – Present **Rockwell Automation, Milwaukee WI**

- **Generative AI DevX** – Proposed and developed internal tools to improve developer productivity. API validation, Security Audit, VsCode plugins, and “Chat-with-design-docs” tools.
- **Evangelist** for Cloud Native software delivery – Successfully led various cloud initiatives to improve web-based Industrial Automation design products: Asynchronous messaging, API gateways, AI/LLM OpenAI integration, cost optimization, well-architected framework, microservice catalog, and API first. Built proof-of-concepts.
- **Delivered** LLM based features for customer version control (patent pending). Also LLM-based internal tools for helping developers understand build failures.
- **Delivered** SaaS application to Azure AKS. Developed AKS-based technology for deploying containerized application that scaled from desktop to cloud.
- **Mentoring** Onboarding and mentoring new product architects.
- **Team Lead** for team of Software Architects. Delivering robust microservice architecture for web-based automation design tool using Typescript, C#, Rust, and Golang on Kubernetes.
- **Agile** using SAFE development process on project nearly 400 team members on single software project.

Consultant / Founder, Software Product Development

May/2004 – May/2020 **GeoMar, LLC (Self-employed)**

- **Founder** of consulting business developing new products for SAAS startups and Fortune 100 clients. Designed and drafted software for Windows and Linux. Full-stack expertise, developing SAAS and Windows desktop.

Manager, Software Engineering

June/2002 – May/2004 GoRemote, Inc., Irvine, CA

- Developed SaaS software and systems to provide secure broadband to Fortune 500 clients.

Director, Software Engineering

June/2000 – June/2002 CQOS, Inc., Irvine, CA

- Early employee at SaaS startup that developed service for measuring IP quality-of-service. Directed teams totaling 3 software managers and 23 software engineers.

Manager, Software Development

Feb/1994-June/2000 Kofax, Irvine, CA

- Managed teams of up to ten C++/C developers creating document management applications and toolkits. Experience working with multi-disciplinary teams. Projects up to 500K lines of mixed language code.
- Consistently assigned to key projects using latest technology. Successfully shipped company's first XML product, first internet-based product, first ActiveX product, and first 32-bit products.

Skills

- Scalable Infrastructure and Cloud Services, Infrastructure as Code, Event Driven Architecture, CloudEvents, Auth0.
- Design and Implementation of Distributed Systems
- Robustness / Security & Resilience Engineering
- Fault Tolerance / DFMEA
- Troubleshooting and Performance Tuning
- Software Engineering Best Practices
- Machine Learning Fundamentals, OpenAI/Grok
- Security: Design for Security, Audits
- Cloud / Azure / Kubernetes / Helm / Docker / Rancher
- C# / F#, Java and Go Lang, NodeJS
- Rust, C / C++
- ELM, HTML / JS / typescript / MVC.NET

Education

BS Electrical Engineering., University of Dayton, Ohio, 1988.
Graduated Cum Laude.

Fluent in English, Spanish, and French.

Patents

US patent #5,488,467: Laser Printer Paper Handling System.
Multiple AI and network-communication patent applications in progress.