



Mariano Martín Fresno

AI-Powered System Builder | Automation Specialist | Measurable ROI Focus

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Summary

AI-Powered System Builder delivering measurable ROI through automation. Senior Full Stack Developer specializing in systems that replace manual processes, debug complex technical issues, and deploy production-ready solutions. Proven track record in modern JavaScript/TypeScript ecosystems, cloud platforms, and full-stack development with quantifiable outcomes. Recent outcomes include: reducing debugging time from 3+ hours to 15 minutes with Android SSH automation, cutting deployment time from 30+ minutes to under 5 minutes with CI/CD pipelines, and automating analysis of 50+ services in minutes vs. manual hours.

Experience

Aug 2025 – present **Customer Success Engineer / Senior Full Stack Developer**, Healthee – Buenos Aires, Argentina

Built AI-powered automation systems for customer success workflows, reducing manual intervention by 70%+.

- Automated customer onboarding workflows using AI agents, reducing setup time from 2 hours to 15 minutes
- Implemented CI/CD pipelines with automated testing, cutting deployment time from 30+ minutes to under 5 minutes
- Built real-time monitoring system with AI anomaly detection, identifying issues before customer impact
- Developed automated troubleshooting scripts using LLM agents, reducing support ticket resolution time by 60%
- Created infrastructure audit automation, analyzing 50+ services in minutes vs. manual hours
- Implemented secure secret management pipeline, eliminating manual credential handling errors

- Dec 2024 – Aug 2025 **Senior Software Engineer**, Proofpoint – Cupertino, CA, United States
- Built AI-powered security automation systems processing 1M+ events daily with 99.9% accuracy.
- Developed distributed threat detection pipeline using Kafka and Flink, reducing false positives by 40%
 - Implemented automated security incident response system, cutting mean time to resolution by 65%
 - Built cloud infrastructure automation reducing manual provisioning time from hours to minutes
 - Created AI-driven anomaly detection for security events, identifying threats 30% faster than manual review
 - Optimized data pipeline performance, processing 1M+ events daily with sub-second latency
- June 2023 – Dec 2024 **Staff Engineer**, Avature – Argentina
- Led automation initiatives across data and platform teams, reducing manual operations by 80%+.
- Built automated data pipeline monitoring system, reducing manual checks from daily to zero
 - Implemented CI/CD automation for 50+ microservices, cutting deployment time by 75%
 - Developed infrastructure-as-code templates reducing server provisioning from days to hours
 - Created automated configuration validation system eliminating deployment configuration errors
 - Built real-time metrics dashboard with automated alerting, reducing incident response time by 60%
 - Led migration to containerized deployments, improving resource utilization by 40%
- Dec 2019 – July 2023 **Technical Leader**, Avature – Argentina
- Team leadership and API platform ownership.
- Led a team of 4 engineers
 - API platform with automatic OpenAPI specification generation
 - Kong API Gateway and Kubernetes
 - Code reviews, hiring interviews, and performance reviews
 - Observability with Grafana, Prometheus, ELK
 - Infrastructure automation with Puppet and Terraform
- Dec 2018 – Dec 2019 **Senior Software Engineer**, Avature – Argentina
- Backend and integration framework development.
- Integration framework using PHP and JavaScript
 - Apache NiFi custom processors in Java
 - Core product feature development

Jan 2015 – Nov 2018 **Full Stack Engineer**, d3 – Argentina

Enterprise and healthcare systems development.

- HL7-compliant medical systems (Java, Spring, HAPI-FHIR, Angular)
- .NET Core and ASP.NET systems
- Ionic and AngularJS mobile applications
- C++ multimedia systems (audio streaming, DirectShow, ffmpeg)

Education

2008 – 2012 **Universidad de Buenos Aires**, Licenciatura (40% completed) in Physical Sciences – Buenos Aires, Argentina

2012 – 2013 **Universidad de Buenos Aires**, Licenciatura (Introductory studies) in Philosophy – Buenos Aires, Argentina

1999 – 2005 **República Francesa**, Electronic Technician in Electronics and Communications – Argentina

Skills

AI-Powered Automation: LLM agent development, prompt engineering, AI-driven debugging, automated workflow creation, Cursor, Antigravity, OpenCode, Codex, Ollama, GitHub Copilot

System Architecture: End-to-end automation pipelines, cross-domain integration (AI + backend + IoT + infra)

Cloud & Infrastructure: AWS, Kubernetes, Docker, Terraform, Linux server automation

CI/CD & Deployment: GitHub Actions, automated testing, secure deployment pipelines, rollback automation

Monitoring & Observability: Prometheus, Grafana, AI anomaly detection, automated alerting

Measurable Outcomes: ROI-focused development, time savings quantification, error reduction metrics

Languages

Spanish (Native)

English (Professional Working)