

# JORGE ARAQUE

Full-Stack Developer · Automation & AI Integration · IT Systems

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## PROFESSIONAL SUMMARY

Full-Stack Developer and IT Systems professional with 5+ years of experience building scalable web applications, automation systems, and AI-powered tools. Proven track record leading scraping infrastructure at Talent.com for global job data at scale, and currently serving as IT Systems & Technology Lead at Aviation X Aircraft Interiors — overseeing network infrastructure, CNC operations, and developing internal software solutions. Builder of production-grade systems including a touch-first aviation PWA, an AI orchestration platform, and a SaaS pipeline targeting underserved Latino markets. Open to remote freelance and full-time engineering opportunities.

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## TECHNICAL SKILLS

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| Frontend        | React, Next.js, Angular, Vue.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS |
| Backend         | Node.js, Express.js, REST APIs, Python, C#, .NET  |
| Databases       | PostgreSQL, MongoDB, MySQL, SQLite (WAL mode)   |
| Cloud & DevOps  | Docker, AWS (EC2, S3, Lambda), Nginx, CI/CD, Git, GitHub, Netlify, Vercel, Linux/Ubuntu   |
| Automation & AI | Puppeteer, Playwright, Selenium, BeautifulSoup, OpenAI API, Whisper, Telegram Bot API     |
| IT & Systems    | Network administration, CNC machine operation, hardware setup, Synology NAS, Tailscale    |
| Tools           | Figma, Postman, Jira, VS Code, Agile/Scrum  |

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## PROFESSIONAL EXPERIENCE

IT Systems & Technology Lead · Aviation X Aircraft Interiors Sep 2025 – Present

*Houston, TX · Full-time*

- Oversee all IT infrastructure including network administration, hardware setup, and internal systems management for aircraft interior remodeling operations.
- Designed and developed AviationXAllog — a touch-first PWA replacing paper logs in the hangar, featuring real-time dashboards, role-based access, automatic timestamping, and auto PDF/Excel reporting on job closure.
- Manage and operate CNC machinery for precision fabrication of aircraft interior components.
- Act as Claude Growth Partner, integrating AI tools and workflows to improve operational efficiency across departments.
- Perform hands-on field work including disassembly/assembly of panels, headliners, window trims, and flooring systems.

Robotic Arm Operator · Daikin Industries Sep 2024 – Aug 2025

*Houston, TX · Full-time*

- Operated robotic arm systems in HVAC production lines, consistently meeting precision and safety targets.
- Troubleshoot minor system issues to maintain workflow efficiency across high-volume manufacturing shifts.

Department Team Lead · Walmart Mar 2024 – Sep 2024

*Houston, TX · Full-time*

- Supervised, trained, and evaluated 8+ associates in the Home Department.
- Boosted team productivity by 20% and reduced customer complaints by 30% through workflow optimization and proactive coaching.
- Improved seasonal sales by 15% via strategic product placement and upselling initiatives.

Senior Software Engineer · Talent.com Jun 2021 – Aug 2023

*Remote · Full-time | Promoted: Echelon I → II → III → Senior*

- Designed and maintained large-scale web scraping infrastructure aggregating job data from thousands of global sources.
- Refactored scraping pipelines — reduced failure rates by 40% and increased throughput by 35%.
- Built full-stack features with React, Node.js, TypeScript, and PostgreSQL, reducing load times by ~35%.
- Integrated smart proxy rotation reducing IP bans by 60% and improving long-term data reliability.
- Mentored junior engineers and led code reviews in Agile/Scrum environment with international cross-functional teams.
- Integrated OpenAI APIs to automate data enrichment and accelerate feature delivery cycles.

Web Developer · Doctus Jan 2021 – Jul 2021

*Remote · Contract*

- Built responsive web apps and backend data extraction services using JavaScript, HTML5, CSS3, and REST APIs.
- Designed internal dashboards for real-time data visualization; increased processing speed by 25% via async optimizations.

*Freelance Web Developer · Independent 2019 – 2021*

*Remote · Freelance*

- Delivered full-stack web solutions for clients across various industries: responsive UIs, REST API integrations, and database-backed systems.

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## FEATURED PROJECTS

AviationXAllog · React · Node.js · SQLite · Docker · PWA

- Touch-first progressive web app replacing paper logs in aircraft interior hangars. Features zero manual text entry, automatic timestamping, conditional UI by task state, per-aircraft project tracking, real-time hangar dashboard, role-based access (Technician / Supervisor / Superuser), and automated PDF/Excel reports on job closure. Deployed via Docker on Synology NAS.

Kronos — Personal AI Orchestration Platform · Ubuntu · Docker · Node.js · React · Git

- Self-hosted AI orchestration system running on Ubuntu/Docker home server infrastructure. Modular multi-agent architecture where each project (AviationXAllog, SaaS apps, bots) operates as an independent node. Features a custom real-time dashboard, automated deployments via Git hooks, remote access via Tailscale/Cloudflare, and persistent memory across agents — centralizing all personal and professional development workflows.

SaaS Platform for Latino Small Businesses · React Native · Supabase · Stripe · OpenAI

- Pipeline of Spanish-language SaaS apps targeting Latino trades/service business owners in the U.S. Includes: AI Estimator (photo-to-quote via OpenAI Vision), Compliance & Permits Tracker, and a Subcontractor Marketplace.

Pokédex App · React · PokéAPI · [github.com/araquecjorge](https://github.com/araquecjorge)

- Interactive Pokédex consuming the PokéAPI with search, filtering, and detailed stat views. Clean responsive UI showcasing component architecture and third-party API integration.

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## EDUCATION

Application Development · Universidad Complutense de Madrid 2019 – 2020

Full-Stack Development Bootcamp · Academlo 2020 – 2021

Telecommunications Technician · Universidad de los Andes (VE) 2009 – 2011

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## **LANGUAGES**

Spanish Native · English Professional Working Proficiency