

Douglas Alvarino

Full-Stack AI Engineer

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PROFESSIONAL SUMMARY

Full-Stack AI Engineer with nearly 4 years building and scaling distributed systems and AI-driven products. Proven leader in the founding of startups, the management of engineering teams, and the delivery of enterprise-grade solutions with 99.9% uptime. Skilled at integrating Generative AI into real-world applications, optimizing developer velocity, and scaling platforms to 50,000+ users.

EXPERIENCE

Founder & Full-Stack Engineer

Jan 2023 – Present

JamJuice Inc. — Music Tech Startup

Remote

- Build the MVP from 0 to 1 and subsequently scaled it from 1 to 5 with releases, building distributed systems with **Next.js** + **TypeScript** + **MongoDB** while maintaining 99% uptime.
- Built admin dashboards with **Linear** + **DataDog**, cutting bug resolution time by 40%.
- Launched production-ready features with **Inngest background jobs**, reducing recovery time from production incidents by 30%.
- Currently leading development and product roadmap execution.

Advisory Full-Stack Engineer

Sept 2025 – Present

OnlyFollowers — Creator Platform (Side Project)

Remote

- Contributed to early launch of a secure, server-first creator platform with subscriptions and live streaming.
- Implemented streaming with **LiveKit (WebRTC)**, JWT-based APIs, and role-based auth.
- Advised on adoption of **Prisma** + **Neon Postgres**, strict TypeScript, and CI/CD pipelines.

CTO & Full-Stack Engineer

Jul 2024 – Sept 2025

Styloop — Property Styling Startup (Closed)

Remote

- Led development of a scalable enterprise platform using **React (TypeScript + MUI)**, **FastAPI**, and **PostgreSQL**.
- Integrated **Azure Cognitive Services** + **GenAI** for image tagging and recommendation pipelines.
- Set up CI/CD with **GitHub Actions**, **Vercel Pipelines**, and Docker builds to **AWS ECR**.
- Maintained 99.9% uptime with **Vercel Analytics**, App Insights, and AWS CloudWatch.

Founder & Full-Stack Engineer

Jan 2024 – Jun 2024

SwipeToAdopt.org — Pet Adoption Platform (side project for the good of humanity)

Remote

- Developed Tinder-style matching app with **React** + **TypeScript** frontend and **Rust/Python backend**, deployed on Azure.
- Integrated **Azure AI (OpenAI)** + RAG pipelines to deliver natural-language pet matching, scaling to 1,300+ users.
- Implemented CI/CD with **Azure DevOps**, Key Vault, and ACR deployments.

Junior Software Engineer

Jan 2022 – Jan 2023

EOS Fitness — Tampa, FL

- Built internal CRM and scheduling tools using **Node.js** + **TypeScript** and **Java microservices**, backed by **Azure Functions**.
- Reduced scheduling friction by 40% through automation with Graph API + Logic Apps.
- Created dashboards with **Power Automate** and **Power BI**, improving data visibility for 3 business units, and supporting 80+ new signups in Q1 2022.

EDUCATION

University of South Florida

Tampa, FL

B.S. in Cybersecurity, Minor in Mathematics

Aug 2023 – Present

- Relevant Coursework: Discrete Mathematics, Data Structures, Computer Systems, Linear Algebra, Cryptography

TECHNICAL SKILLS

Languages: TypeScript, Python, Rust, Java, SQL, JavaScript, C#, HTML/CSS

Frameworks: React, Node.js, FastAPI, Express, Angular, TailwindCSS, .NET, Spring Boot

Cloud: Azure (AI Services, DevOps, Foundry), AWS (ECS, RDS, Lambda, CloudWatch), DigitalOcean

AI & GenAI: Azure OpenAI, GPT-4 APIs, Copilot Studio, RAG/vector embeddings, prompt pipelines

DevOps: Docker, GitHub Actions, Azure DevOps, IaC, CI/CD pipelines

Security: JWT, OAuth2, Azure IAM, role-based auth

Testing: Vitest, Jest, Postman