Andres Garcia, Lead Engineer

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LINKS

Showcase, LinkedIn

PROFILE

I'm a Lead Engineer focused on backend, AI, and IoT systems, building products end to end across device software, cloud infrastructure, mobile apps, and web platforms. I've led architecture decisions, scaled engineering teams, and worked closely with strategic partners on complex integrations. While rooted in systems engineering, I also bring strong UI/UX design experience. Recently, my work has focused on integrating vision and audio AI into connected devices, designing inference pipelines and user facing features that turn sensor data into meaningful insights.

EMPLOYMENT HISTORY

Feb 2022 — Present

Lead Engineer (Employee #1), Harbor
Philadelphia

- First engineering hire at Harbor, helping build the company's IoT camera platform from the ground up across backend systems, device software, mobile apps, and AI-powered features.
- Owned several core architecture decisions while collaborating closely with the team to design systems built for long-term scalability.
- Stayed hands-on across the stack, contributing to infrastructure, product features, and user experience.
- Led the end-to-end integration of vision and audio AI into our cameras, designing and productionizing inference pipelines, backend infrastructure, and features powering sleep insights and dynamic alerts.
- Participated in leadership planning and hiring, helping grow and support a team of 9 engineers, including nearshore teammates.
- ocused on building a culture of ownership where engineers feel confident making decisions and contributing to system design.

Jan 2021 — Jan 2023

Solutions Architect I, CommunityConnect at RealPage, Inc., Realpage Inc
Philadelphia

- Transitioned to RealPage as a Solutions Architect within the CommunityConnect organization following the acquisition of STRATIS.
- Guided technical integrations between partners and the RealPage platform, working across cross-functional teams to align capabilities with partner requirements.
- Navigated enterprise-scale delivery processes, governance, and stakeholder coordination within a large organization.
- Continued supporting partner architecture and integration strategy across a broader enterprise ecosystem.
- Ultimately chose to return to an early-stage environment, joining Harbor as its first engineering hire to focus on building products from the ground up.

Nov 2019 — Jan 2023

Lead Partner Solutions Engineer, STRATIS IoT
Philadelphia

- Joined STRATIS to lead partner engineering relationships across the company's smart building and IoT ecosystem.
- Owned the technical side of major integrations, working directly with partners including Comcast and RealPage.
- Worked closely with partner teams to design integrations, guide SDK adoption, and support successful platform launches.
- Contributed hands-on across backend and client systems using Python (Django), Node.js, gRPC, React, and React Native.
- Built partner-facing services, integration tooling, and mobile experiences supporting IoT device management.
- During my time at STRATIS, the company was acquired by RealPage, bringing our partner platform into a larger enterprise ecosystem.

| Jan 2017 — Nov 2019 | **Director of Solutions Engineering, Slyce** | Philadelphia |

- Started on the backend engineering team building and supporting core platform services primarily in Python.
- Transitioned into a hybrid engineering and solutions role working closely with sales, product, and external partners.
- Participated in pre-sales engagements to represent the technical side of the platform, helping customers understand integration requirements, SDK capabilities, and implementation strategy.
- Traveled internationally to work directly with partner engineering teams, supporting SDK integrations, troubleshooting implementations, and guiding architecture decisions through launch.
- Contributed to frontend tooling and partner dashboards using ReactJS to improve the developer and client experience around the platform.

| Jan 2012 — Dec 2017 | **Lead Front End Web Developer, SnipSnap** | Philadelphia |

- Worked at SnipSnap, a Philadelphia-based mobile coupon startup and early leader in in-store mobile couponing that grew to 3M users, 60M coupons clipped, and $200M in user savings within two years.
- Led frontend design for SnipSnap's Coupon Author, a platform enabling retailers to create and distribute mobile coupon campaigns at scale.
- Contributed to the design of the GoodFor iOS app and its companion website, allowing users to create and send personalized IOU coupons.
- Redesigned SnipSnap's marketing website and blog, implementing a more flexible WordPress-based CMS to improve content management and publishing workflows.

EDUCATION

| Jul 2004 — May 2007 | **Bachelor of Science - Industrial and Product Design, The Art Institute of Philadelphia** | Philadelphia |

Honors awarded:

- Best Portfolio Award - Graduation
- Deans List - 2005-2007
- Best of Quarter - Summer 2007

SKILLS

Cross-functional Team Leadership	Expert	Distributed Systems	Experienced
Partner API/SDK Integration	Expert	ReactJS	Experienced
System Architecture	Experienced	React Native	Experienced
Artificial Intelligence	Experienced	SwiftUI	Skillful
Kotlin	Experienced	Jetpack Compose	Skillful
Python	Experienced	Docker	Experienced
Node.js	Expert	Kubernetes	Skillful
GraphQL	Expert	Devops	Skillful
SQL and NoSQL	Experienced	CI/CD	Experienced

LANGUAGES

| English | Native speaker | Spanish | Native speaker |