Amadeo Casas

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PROFESSIONAL
EXPERIENCE

Stripe, Boston, MA.

Staff Software Engineer   *April 2020 - April 2024*

As Tech Lead of the Data Quality team, building the data observability platform that provides Leadership with the visibility over business critical metrics and how those track to goals, producers with the automated alerting capabilities and tooling to achieve and maintain a high level of data quality, and consumers with the trust that the data is complete, consistent, timely, and accurate.

Everlywell, Austin, TX.

Director of Engineering   *August 2019 - January 2020*

Everlywell is a health company that provides at-home lab testing kits and digital results within just a few days. My responsibilities focused on managing the Engineering organization (12 engineers), across all disciplines - frontend, backend, infrastructure.

Tableau, Austin, TX.

Staff Software Engineer   *June 2018 - August 2019*

Architecting and developing new features on Tableau Prep (`https://www.tableau.com/products/prep`), a product that allows preparing and cleaning customer's data before it is analyzed, as well as helping and mentoring other engineers, and improving existing processes and tools to enable the team to ship faster and more effectively.

Lyft, San Francisco, CA, USA.

Engineering Lead (Level 5 - Autonomous Vehicles)   *September 2017 - May 2018*

Designing and developing the data platform that allows storing and indexing data collected by the sensors in each self-driving car, and the API that to retrieve it.

Engineering Manager   *October 2014 - September 2017*

Building the technology behind driver adoption and the real-time tooling for tracking customer awareness. I managed the world-class engineering team that partners with Data Analytics, Marketing Paid Acquisition and Business Operations teams to build the right technology to drive the increase of activated Lyft drivers. My team was responsible for projects that go from building scheduling tools for tracking and monitoring the effectiveness of Lyft advertising campaigns, to developing optimized landing pages in lyft.com via A/B tests, and designing targeted driver referrals programs.

Opsmatic, San Francisco, CA, USA.

Software Engineer   *September, 2013 - October 2014*

Development of a set of tools that compare host states, visualize their activity, and perform configuration management monitoring with automatic drift detection. As one of the first engineers of the company, I architected and implemented the core features of the platform, from the ground up to the official release of the product, that got used by several companies to monitor over a thousand hosts. My main contributions focused on the live state service's RESTful APIs, a series of efficient algorithms for comparing host states across an infrastructure, a notification pipeline for subscribing to events via email and chat bots, and the agent installed in every host to report its state and activity.

ElasticBox, Mountain View, CA, USA.

Co-Founder, Head of Engineering   *January, 2011 - April, 2013*

ElasticBox is a cloud management solution that enables enterprises to deploy and manage

applications in multiple clouds. ElasticBox provides the appropriate tools to manage cloud applications, enabling cloud portability scenarios, access management, and choice of frameworks and services, while minimizing cloud-related development bills.

- Designed and implemented core functionality, frontend and backend, including build system and tools to increase the overall productivity of the team.

- Grew the engineering team from 1 to 6 top-notch engineers, coming from institutions such as Berkeley, Microsoft and Cisco, with PhDs and world-class research experience in some of them, and large startup experience in others. Led the engineering team by example to deliver the planned product releases on time, ensuring a high motivation, while focusing on their professional growth.

- Participated in business development tasks, defined go-to market strategy and vision of the company during AngelPad Spring'12, and raised the first round of VC funding.

Microsoft, Redmond, WA, USA.

Technical Program Manager   *September, 2008 - December, 2010*
Design and development of core features in the areas of serialization, configuration and service metadata in Windows Communication Foundation (WCF), shipped in .NET 4/4.5:

- Developed and tested simplified configuration techniques that reduced the burden of having to maintain large amounts of configuration data for WCF services.

- Drove the end-to-end adoption of the C# and Visual Basic asynchronous programming model in .NET 4.5, being WCF one of the first technologies in the .NET framework to support this model.

- Participated in tasks such as customer requirements gathering and analysis, resource planning, bug triage, Shiproom and Tactics representation, MSDN documentation and blogs, and customer servicing.

EDUCATION   **University of New Mexico**, Albuquerque, NM, USA.

Ph.D., Engineering. September 2008.
Department of Electrical and Computer Engineering.
Advisor: Manuel V. Hermenegildo.

University of New Mexico, Albuquerque, NM, USA.

MBA, Finance Concentration. May 2008.
Robert O. Anderson School of Management.

University of Valladolid, Valladolid, Spain.

B.A., Computer Science. July 2003.

HONORS AND AWARDS   Prince of Asturias Graduate Research Fellowship in Information Science and Technology at the University of New Mexico.

CITIZENSHIP   US citizen.

REFERENCES   Available upon request.