Jorge Silva

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Watercooler, Founder getwatercooler.io   San Francisco, CA · 2020-Present
- Architected, designed, and built Video Conferencing app with comparable video quality to Zoom and Meet.
- Designed and implemented horizontally scalable websocket backend server used for connecting P2P clients
- Maintained fork of WebRTC that contained UX enhancements and improved audio support for macOS.
- Implemented and deployed all necessary WebRTC cloud infrastructure, using Kubernetes and Tensorflow
  Technologies: Swift, Objective C, Node.js, Golang, WebRTC, Redis, MySQL, Kubernetes, C++, Terraform

Basilica (YC W19), Founder and CTO basilica.ai, socialstream.ai   San Francisco, CA · 2019-2020
- Led the ideation, building and launch of 2 products resulting in an average of 500 users with paying customers.
- Designed and implemented microservices architecture based on Django and Flask, with async job processing
- Built a message handling service that handled 500k+ messages an hour using Go and Google Pub/Sub. This service was responsible for complex pattern matching and deep learning NLP on every single tweet published.
- Raised seed round of $1.7 million and hired, managed and mentored two employees (Sales and Engineering).
- Onboarded and conducted interviews with 100+ users that led to product iteration and new strategic features.
  Technologies: Python, Django, Golang, Node.js, Kubernetes, React, Google Cloud

MuleSoft (Acquired by Salesforce), Senior Software Engineer mulesoft.com   San Francisco, CA ·

2017-2019
- In charge of re-architecting MuleSoft's On-Prem solution (PCE) from vanilla Kubernetes to Helm, thereby creating a company wide standard for deployment and allowing additional new products to be offered in PCE.
- Undertook the introduction of several cloud services into PCE, requested by some of our biggest clients. This involved debugging networking issues, adding NFS support, resolving infrastructure incompatibilities, optimizing database performance, while coordinating with multiple teams across time zones.
- Resolved critical production outages on PCE for Fortune 500 clients like HSBC, Wells Fargo, and B of A.
  Technologies: Kubernetes, Docker, Jenkins, Python, Node.js, Golang, Terraform, AWS

Runnable (Acquired by MuleSoft), Senior Software Engineer runnable.com   San Francisco, CA · 2015-2017
- Led development of our on-prem offering, requiring refactoring of our entire cloud architecture, and worked with enterprise clients to deploy and manage it.
- Architected and built user management and billing REST microservices, allowing for company's first revenue
- Developed testing framework used for integration testing, canaries, and monitoring. This replaced tedious and long manual testing done by engineers and product managers providing speed and increased system reliability.
- Developed Docker Compose parser for import of docker compose applications, increasing adoption by 57%.
  Technologies: Node.js, Docker, AWS, Javascript

RethinkDB (Acquired by Stripe), Developer Evangelist rethinkdb.com   Mountain View, CA · 2015
- Developed multiple Node.js open-source modules meant to improve the ecosystem around RethinkDB.
- Wrote technical content explaining RethinkDB concepts and tutorials showing users how to use the database including topics related to distributed systems, such as RAFT consensus, CAP theorem and ACID transactions.
- Spoke at multiple conferences and meetups on topics related to RethinkDB (Node, FE dev, GIS, Ruby).

Co+Lab Multimedia, Lead Developer   Richmond, VA · 2013-2014
- Worked as the lead developer on 7 full-stack web development projects and supported 4 additional projects.
- Select responsibilities included preparing estimates, defining project scope, laying out architecture, end-to-end development, cross browser testing, overseeing deployment, and advising clients.

Education

Virginia Commonwealth University · MFA in Visual Communications   Richmond, VA · 2013
University of Puerto Rico · BA in Psychology   San Juan, PR · 2011