

# Jordan Zucker

Full stack Staff Engineer with experience at big tech companies and start ups at all stages with a background in hardware and experience in iOS, Big Data, and back end architecture.

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## EXPERIENCE

### **PubNub, San Francisco — Staff Software Engineer**

2021 - 2025

Scaled projects to trillions and used trino to connect lots of different data sources together at scale. Utilized trino to connect all PubNub datasources, across many different engine types, and rewrote expensive and long running data aggregations job in Trino SQL using their hive connector to save time and money.

### **PubNub, San Francisco — Sr. Software Engineer**

2019 - 2021

First to run Airflow on kubernetes in production, with upstream fixes to repo to do so. Rewrote custom python scripts using PySpark and custom Spark Scala UDF functions to speed up processing from 24 hours to 4 hours and implemented uniqueness aggregation using HyperLogLog at a scale of 10s of billions per day.

### **PubNub, San Francisco — Software Engineer I**

2015 - 2018

Built a HTTP mocking framework for iOS testing, BeKindRewind. Rewrote iOS SDK in Objective-C to improve Swift compatibility and designed a client architecture for PubNub that was used to rewrite all major client frameworks for years to come. Also contributed to Javascript clients and wrote many example and demo apps.

### **Twitter, San Francisco — Software Engineer**

2013 - 2014

UI Test Automation engineer. Contributed to popular open source automation testing frameworks at the time and built my own, including KIF and subliminal. Built UI test automation from scratch and achieved 80% test coverage while also pioneering gcov usage on iOS before it was openly supported.

### **Apple, Cupertino — Software Engineer**

2012 - 2013

Frameworks QA engineer in iOS. Worked on iOS 5.0 and 6.0 and many

## SKILLS

Big Data: Trino, Spark, Hive

Databases: Postgres, MySQL, Redshift, Clickhouse

Distributed systems

Mobile programming

## LANGUAGES

Objective-C, Swift, Scala, Java, Javascript, C, C++, Python, Terraform/HCL

## AREAS OF EXPERTISE

Docker, Kubernetes, Terraform, iOS, Parquet, AWS, GCP, GitHub Actions

frameworks such as CoreLocation and UIKit. Acted as an external developer within Apple to test all developer frameworks, having to regularly test every single available framework on at least a weekly basis.

## EDUCATION

### **University of Illinois, Urbana-Champaign — *Bachelor of Science in Computer Engineering***

2006 - 2011

## PROJECTS

### **Airflow — Contributor**

Industry leading ETL software for monitoring and scheduling workflows

- First to run Airflow on kubernetes in production (upstreamed fixes)
- Added initial Segment hooks and operators

### **Home Assistant Core — Contributor**

Open source home automation tool that is the one of the top projects on GitHub

- Refactored prometheus tests
- Adding labels and reworking a lot of prometheus implementation

### **ESPHome — Contributor**

Extremely popular open source framework from Home Assistant team that simplifies the process of creating custom firmware for microcontrollers like the ESP32

- Refactored prometheus code and added labels
- Extended metrics to cover all core components
- Also contributed to [esphome-docs](#) repo for related changes

### **pubnub/objective-c — Contributor**

[PubNub](#) iOS SDK client for pub/sub service.