Will Barrett

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Professional Experience

Staff Software Engineer, Preset, September 2019-August 2021
- Managed, led, and grew a Feature Team from 3 Engineers to 7 Engineers across 3 timezones from US Pacific to EU West.
- Led the launch of Preset's Private Beta program.
- Led the development of Alerts and Reports in Superset, Preset's most-requested feature during our Private Beta.
- Led the development of Software as a Service features in preparation for Preset's GA launch.
- Transitioned the team from majority on-site to distributed during the COVID-19 lockdowns of 2020.

Staff Software Engineer, Entelo, March 2019-August 2019
- Led a project involving the whole Engineering team that cut total AWS spend by 50% over the course of 2 months.
- Cut build times for the organization on their Rails monolith in CI from 20 minutes to 4 minutes.
- Led a project to drastically increase the security of the Rails monolith.

Staff Engineer, thredUP, January-February 2019
Extrememly short stint at thredUP.com on their pricing team due to the announcement an office move that would have resulted in an untenable commute.
- Worked on analysis of pricing experiments in Databricks/Spark
- Assisted in the design of a new pricing service
- Planned a system for deploying list price models to production.

Senior Software Engineer II, Change.org, November 2017-December 2018
Engineering Manager II, Change.org, May 2017-November 2017
Engineering Manager I, Change.org, August 2016-May 2017
Senior Software Engineer, Change.org, February 2016-August 2016
- Led and managed multiple full-stack feature teams.
- Co-architected a high-volume distributed messaging system for the comms platform, replacing Salesforce and saving the company millions yearly.
- Created a system to allow zero-downtime migrations of large MySQL tables greatly increasing stability and uptime of the system.
- Led the team that created the digest email system, a weekly personalized send to 50,000,000 individuals in 18 different languages.
- Single-handedly supported Change.org's data engineering systems for months near the end of my tenure.

Software Developer, Sqwiggle (sqwiggle.com), Speak (speak.io), April 2014-December 2015
- Implemented systems allowing Sqwiggle and Speak to move from a peer-to-peer WebRTC connection to leveraging geo-aware video MCU systems, removing low participant limits on the platforms.
- Acted as the primary Operations Engineer for both platforms, supporting both application programs and Video MCU systems in AWS.
- Acted as first-line support for the product, handling customer issues directly and conversing directly with clients and prospects.

Associate Instructor, Starter School, February-March 2014
Taught "DevOps". We covered server configuration and automated deployment of Ruby on Rails web applications.

Senior Software Engineer, Rouxbe Video Technologies (rouxbe.com), June 2013-March 2014
- Created a provisioning system to allow for fast scaling in concert with the existing infrastructure.
- Implemented a real-time classroom video integration for distributed course delivery.

Principal Consultant, Tall Green Tree Inc. June 2011-June 2013
- Built the initial MVP of Rentalutions.com, later rebranded to Avail and recently acquired by Realtor.com
- Assisted in the founding of Bikeindex.org, a 503c non-profit that currently is the largest national registry of bicycles assisting in the recovery of stolen bikes. So far, the BikeIndex has assisted in the recovery of over $15MM in stolen property.

Advertising Industry Work, August 2008-June 2011
Cut my teeth as a programmer on the Got Milk? campaign in 2008 at Weber Shandwick as an intern. Spent time at Schafer Condon Carter in Chicago. Worked on web projects for multiple corporations including McDonalds, Jim Beam, and Armor Eckrich.

Education

B.Mus. Cello Performance, Peabody Institute of Music, 2007
Studied classical Cello performance under Alan Stepansky, former principle cellist of the New York Philharmonic.