

Stan Lemon

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Technologies

PHP, Java, Nodejs, Apex, JavaScript, CSS, HTML, MySQL, Redis, Kafka, Cassandra, CouchDB, Apache Storm, React, Electron, Express, Symfony, Doctrine

Salesforce - Principal Engineer *(September 2013-Present)*

- Responsible for the vision and architecture of rules based marketing automation infrastructure and email sending at Pardot. I work closely with engineering teams on these components and assist them in making architectural decisions consistent with the goals of the engineering organization. I work towards aligning these teams with Pardot's *Engineering Long Range Plan* and fostering communication across team and functional area boundaries.
- Spearheaded Pardot's first *Long Range Plan* leading a committee of technical leaders in its development and serving as the primary editor of its written version. I also presented this long range plan to technical leaders outside of Pardot across the Salesforce technology organization.
- Developed and open sourced a framework for Apache Storm to source events dynamically from changing inputs and used it to implement a way of delaying the processing of messages for a single tenant on a multi-tenant Kafka topic. As part of this work I submitted a patent as co-inventor for "Event Stream Processing" which describes a process by which a multi-tenant commit log can be consumed per tenant with episodic pausing through a singular data processing interface.
- Actively contributed to the development of the engineering career guide and personally developed a mentorship program for engineers at Pardot. The program focused on both mentors and protégé's career advancement using the career guide. This program was integrated across two different functional areas in the engineering organization and has directly impacted numerous promotions.
- Authored materials for training purposes, including an internal course on Salesforce's Trailhead learning system Pardot's Architecture. This course has been taken by hundreds of cross-functional employees across the organization and helped them achieve a better understanding of Pardot's technology stack and systems. Additionally, I created material for new engineer onboarding, one class in Test Driven Development and another in Metrics and Monitoring. These classes are taken by all new hires to Pardot.
- As an individual contributor I worked directly with PHP, Java, NodeJS MySQL, Kafka, Storm, Redis and Cassandra to build out and scale features across the Pardot product. Some of the noteworthy projects I contributed to include:
 - Architected and built a generic streaming pipeline adopted by several teams for transmitting data between systems of record as part of a synchronization process.
 - Architected and built an engagement pipeline that transferred high volume activity data from Pardot to Salesforce using Kafka and Storm and calculated analytics from them using map reduce jobs.
 - Developed the backend for the launch of a new product called Salesforce Engage. The backend processed and streamed real time engagement data into dashboards for Sales people. It was written using NodeJS, Redis and Cassandra.
 - Scaled out a background processing system that currently handles a half billion jobs a day.
- Awarded the 2018 "President's Award" for work on an engagement tracking platform.

Greystone CES - Application Architect *(November 2012-September 2013)*

- Transformed the development lifecycle to test driven development and continuous delivery and orchestrated a migration from an on-premise datacenter to Amazon Web Services with zero downtime.

GiftCards.com - Software Architect *(March 2012-November 2012)*

- Worked directly with the CTO in overseeing the architecture of various properties in the company's portfolio.
- Designed and built the company's first mobile platform and its data warehousing system.

Wizzard Media - Technical Lead *(January 2011-March 2012)*

- Led an engineering team through an effort to improve the availability and scalability of the Liberated Syndication (Libsyn) podcast hosting platform.
- Reimagined and led the overhaul of the company's billing system resulting in more accurate collection of subscriptions and increased revenue.

Project Based Learning Systems - Technical Lead *(2006-January 2011)*

- Worked directly with the managing director to design and build features for the Project Foundry platform during a period of increased growth – including a vertical expansion into an additional market.

Volunteer Work

Court Appointed Special Advocate (CASA) in Marion County with Child Advocates (2018)

Financial Secretary at St. Peters Lutheran Church in Indianapolis, IN (2018)

Treasurer & Board Member of the Indiana District of the LCMS (2018)

Treasurer & Board Member of Trinity Lutheran High School in Seymour, IN (2014-2017)

Education

Concordia University, River Forest IL - Bachelor of Arts Degree