

# JENNIFER PAGE

## Software Architect

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## EXPERIENCE

### Software Architect

#### Lola

📅 March 2017 – Ongoing

📍 Boston, MA

- Ongoing project lead for load testing and flight search performance improvements.
- Planned, gathered requirements and led teams in implementation of multiple products including Trips and Back Office Processing.
- Led two engineers to improve the quality and accuracy of our booking data (as reflected in airline PNRs) as well as reduce the burden on our custom support team. We finished our project on time, delivering several features ahead of schedule. These included the ability to completely import an airline PNR into our system and the ability to reflect changes on any part of a booking.
- Closely mentored two junior engineers and provided support to many others, across teams.
- Standardized and spread best practices for GraphQL API design and implementation, including the usage of delayed execution to improve performance.
- Wrote a tool which performed black box performance testing on a third party API. Analyzed the resulting data and made recommendations which were used to improve our strategy for maximizing flight search performance.
- Centralized and automated deployment for most backend services as well as database migrations. These scripts eliminated problems previously caused by human error and minimized the knowledge required to correctly deploy and run migrations. I coordinated with the devops team to hand over responsibility for these scripts which they continued to maintain and port to work with new tools.
- Quickly investigated and fixed backend bugs encountered by the support team, eventually becoming the defacto "goto" person for bugs and receiving recognition.
- Advocated for and planned projects for various stakeholders to aid in roadmap pitches.
- Successfully advocated for engineering process improvements to on call and bug triage processes.

### Senior Software Engineer

#### Localitys

📅 March 2015 – March 2017

📍 Boston, MA

- Designed new datapoint validation and enrichment pipeline with the goal of reducing faults and increasing maintainability.
- Led architectural design and implementation of improvements to profiles product.
- Automated post-fault recovery of several services, significantly reducing late-night pages and engineering burden.
- Engaged in architectural discussions for other systems.
- Led and helped teach guild for Functional Reactive Programming and Type Level Programming.
- As crew lead, led two other engineers in shipping Re-marketing v1.
- Mentored other developers in Scala and Ruby on Rails.
- Collaborated with and assisted devops team with design and architecture of permissions escalation/approval system which helped reduce workload on devops and empowered engineers to take devops work into their own hands.

## EDUCATION

### B.S. in Computer Science

#### Worcester Polytechnic Institute

📅 May 2013

## PROGRAMMING LANGUAGES

Scala Elixir Ruby Java  
JavaScript C C++

## FRAMEWORKS

Scalaz Cats Shapeless  
Ruby on Rails Opscode Chef  
Kubernetes GraphQL

## INTERESTS

Data Processing Distributed Systems  
Functional Reactive Programming  
Type Level Programming AI

## Software Engineer II

### PayPal

📅 June 2013 – March 2015

📍 Boston, MA

- Rewrote part of our application to increase reliability of synchronization with external services.
- Addressed security issues within our application and introduced the use of brakeman, a static code analysis tool, to our team's definition of done to help find potential issues before code review.
- Mentored new team members and coops using TDD and pair programming.
- Collaborated with stakeholders to ensure that our team took on features with the highest business value.
- Took ownership of a project to move our team's application to an OpsCode Chef based infrastructure pipeline. Organized milestones and a timeline which broke down the project into small pieces to allow the team to work concurrently. Aided our sister team in moving their application to the same pipeline through training and helping plan the move.
- Maintained a >99% uptime for our application and increased test coverage to >95% along with my team.
- Set up and configured a Jenkins server for continuous integration, security audits, deployments and creating releases.
- Presented a tech talk about Rabbit MQ and topic exchanges to help other teams understand how to bind their queues to our exchange to receive messages.
- Served as the Vice Chair of the Boston chapter of eBay Women in Technology (eWIT)

## OPEN SOURCE CONTRIBUTIONS

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### jerkson

Scala

Rewrote and re-added test suite to fork of Codahale's jerkson library, bumped version of jackson dependency, incorporated various bug fixes from disparate forks.

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### AWScala

Scala

Added support for specifying credentials via `ClientConfiguration`.

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### ensime-emacs

Lisp

Various contributions to improve the ENSIME (Enhanced Scala and java Interaction Mode for text Editors) integration for Emacs.

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### capistrano\_scm\_nexus

Ruby Gem

Published a gem which allows Capistrano to deploy a release by downloading an artifact from Sonatype Nexus instead of using SCM.

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### newrelic\_rpm

Ruby Gem

Added Capistrano 3 support for deployment notification.

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### shoulda-matchers

Ruby Gem

Fixed a bug in the `validates_numericality_of` matcher and added a `validates_absence_of` matcher.