

Patrick E. Vargas

Skills

Languages and Databases

» Java, Groovy, PostgreSQL

Software, Frameworks, and Utilities

» AWS, Docker, Jenkins, Git, Maven, Spock, Memcached

Miscellaneous

» Agile Software Development, Interpersonal Skills, Graphic Design

Experience

Associate Software Engineer

Disney Streaming Services

New York, NY

Nov 2016 -- Present

(Previously BAMTECH Media, Previously MLB Advanced Media)

[#java](#) [#spring](#) [#jersey](#) [#memcached](#) [#node](#) [#npm](#) [#docker](#) [#git](#) [#aws](#) [#jenkins](#) [#groovy](#)

- » Led my team in constructing a new shared Jenkins library.
- » Mentored junior developers in software engineering best practices (pull-requests, software construction, testing).
- » Refactored major parts of the application into smaller micro-services.
- » Facilitated performance testing with QA team to vet the application before launch.
- » Fixed issues for clients in a timely manner.
- » Implemented extended functionality based on client requests.
- » Instructed new team members on the intricacies of applications.
- » Learned the best practices of a highly-available, large-scale application.

Software Engineer

Pitney Bowes Software

Boulder, CO / Somerset, NJ

Jun 2014 -- Nov 2016

[#grails](#) [#groovy](#) [#java](#) [#spock](#) [#postgresql](#) [#jenkins](#) [#git](#) [#gitlab](#) [#aws](#) [#bootstrap](#)

- » Implemented a status reporting website for stakeholders utilizing the Jenkins API.
- » Led my team in the transition from SVN to Git, providing tools and documentation to make the switch seamless.
- » Built and automated a SQL testing framework for our data production pipeline.
- » Setup a Continuous Integration server, using Jenkins, for our project space.
- » Volunteered as Documentation Lead and Scrum Master to streamline efficiency of day-to-day team minutia.
- » Created a per-revision, performance-testing and reporting system for a high-profile project.

Projects

Shared Jenkins Library

Disney Streaming Services

Jul 2017 -- Present

[#jenkins](#) [#groovy](#) [#sonarqube](#) [#mvn](#)

- » Architected a shared Jenkins library to be used by all teams in organization.
- » Lead the direction of implementation for team members.
- » Mentored junior developers in software engineering best practices (pull-requests, software construction, testing).
- » Improved overall code quality with automated SonarQube analysis on pull requests.
- » Bolstered use of library through automated JavaDoc publication and thorough wiki documentation.

Image Resolver Library

Disney Streaming Services

Aug 2017 - Nov 2017

[#node](#) [#npm](#) [#imagemagick](#) [#express](#) [#s3](#) [#promises](#) [#bluebirdjs](#)

- » Designed and built image resolving micro-service for League of Legends (LoL) product.
- » Served up amalgamation of images as a 302 redirect to ease front-end bandwidth concerns.
- » Saved on resource throttling but utilizing AWS S3 as an image "cache"

Stats API

Disney Streaming Services

Nov 2016 -- May 2017

[#java](#) [#spring](#) [#aws](#) [#memcached](#)

- » API Built for National Hockey League (NHL), Major League Soccer (MLS) and LoL.
- » Highly available application, accessed in a variety of devices.
- » Provided support to clients using the API.
- » Used Memcached to allow for 800,000 concurrent users, at 1000 messages per second.

Playing Cards Module

Personal

github.com/pevargas/playing-cards

Jun 2016 -- Nov 2016

[#npm](#) [#javascript](#) [#chai/mocha](#) [#travisci](#)

- » Crafted a playing-cards JavaScript module to brush up on modern JavaScript programming best practices.
- » Learned npm module management to better understand standard JavaScript distribution methodology.
- » Implemented Chai and Mocha to solidify the viability of the module.

Geocoding Data Report

Pitney Bowes Software

Feb 2015 -- Nov 2016

[#aws](#) [#beanstalk](#) [#grails](#) [#groovy](#) [#postgresql](#) [#jenkins](#)

- » Presented product managers and other stakeholders with the most important, up-to-date product production status in an easily consumable website.
- » Automatically collected and intelligently predicted quarterly production plans for efficient and minimal quarterly planning meetings.
- » Provided automated, up-to-date, detailed information concerning specific product information for use by customer service representatives and engineers.

Education

University of Colorado Boulder

Boulder, CO

Aug 2009 -- May 2014

Bachelor of Science, Computer Science, 3.35 GPA

- » Atmospheric and Oceanic Science Minor
- » Technology, Arts and Media Minor (Graduated with Honors)
- » Dean's List, Spring 2014 and Spring 2013, College of Engineering and Applied Science
- » Dean's List, Spring 2011, College of Arts and Science

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