

# James Lynn

<http://jameslynn.io> • [jamespdlynn@gmail.com](mailto:jamespdlynn@gmail.com) • (404) 374-9001

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## Role

Lead Software Engineer / Technical Architect specializing in Micro Services, Reactive Programming and API Driven Development.

## Primary Skills

- **Languages:** Javascript, Java, ActionScript, Python
- **Server Side:** NodeJS, ExpressJS, Socket IO, Mongoose, Passport, Java EE, Jersey, Hibernate, Django, Amazon Web Services, Nginx, Apache, Glassfish, Memcache, Swagger, API Blueprint
- **Client Side:** HTML5, CSS3, LESS, ReactJS, AngularJS, BackboneJS, Webpack, Bootstrap, RequireJS, CreateJS, JQuery, Handlebars, Java Android, Flex/AIR
- **Test:** Mocha, Karma, Jasmine, Chai, Chakram, Selenium, Angular Mock, JUnit, FlexUnit
- **Build:** Docker, Grunt, Ant, Bash Shell, PM2, Git, Subversion, Perforce
- **Data Transfer:** REST, SOAP, Websockets, WebRTC, RabbitMQ, Kafka
- **Database:** MongoDB, Couchbase, MySQL, Microsoft SQL Server
- **Operating Systems:** OSX, Ubuntu, Debian, Centos, Windows
- **Software:** IntelliJ/Web Storm, Eclipse, Vim, TextMate, Flash Builder, GitHub, BitBucket, Jira, Jenkins, Bamboo, Photoshop, Illustrator, VMWare, Vagrant, Putty, WinSCP, OpenSSH, Charles, Wireshark, Postman, DHC Client, ITerm, Guake, Slack, Flowdock

## Education

### The University of Georgia

*Bachelor of Science in Computer Science*  
*Minor in Philosophy*

Athens, GA  
August 2009

## Certifications

**LPI Linux Essentials Professional Development**

September 2015

**Oracle Certified Professional, Java SE 6 Programmer**

March 2012

**Adobe Certified Expert in Flex 3 with AIR**

April 2009

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## Related Experience

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### ADP Lifion

<http://www.lifion.com>

*Lead Software Engineer*

New York, NY  
March 2016-Present

- Lead developer on the application life cycle management (ALM) team for Lifion's proprietary OHCM platform: A large scale NodeJS Micro Service application used to develop, publish and serve the next generation of ADP's human resource applications.
- Independently built the "Metadata Diff/Patch" tool: an NPM javascript library used to generate and patch an array of deltas given two JSON objects of the platform's proprietary Metadata format. Implemented a recursive tree search algorithm and a custom solution to the NP-Hard [Longest Common Subsequence Problem](#) in order to perform these operations using a minimal number of CPU cycles.
- Led a team of four other developers in creating the next version of the Platforms source control management (SCM) micro service using API driven design principals. By caching external service data to the service's Couchbase data bucket, and prioritizing key value lookups to relational queries; the new service achieved up to a 1200% performance increase for certain endpoints. Also, by focusing on component/API testing over traditional unit testing, SCM v2 achieved a 15% increase in overall test coverage while developing significantly less code and resource to tests.

### Aristobot, LLC.

<http://www.aristobotgames.com>

*Founder/CEO*

Austin, TX  
May 2015-March 2016

- Created Chess Chaps, a mobile game used to play competitive online chess against other real world opponents. Client built using the Adobe AIR mobile framework (transpiled down to native Java and Object C code). Client communicates over a RESTful API to Java EE server side application hosted on Amazon AWS. Chess Chaps has collectively sold over 500 units to date on the Apple, Amazon and Google Play stores.
- Created HyperGalactic, a real time HTML5 2D multiplayer space shooter. Built using Node.js and communicates over binary Websockets. Data is converted from JSON to binary (and visa versa) before going over the network through my own binary protocol buffer library: MicroJS.

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## **Inmar, Inc. (acquired Clarus Agency, LLC.)**

<http://www.inmar.com>

*Senior Software Engineer*

Austin, TX

May 2013 - May 2015

- Cached digital coupon data from Inmar's proprietary DPN servers onto an independently hosted NodeJS server and Mongo NoSQL database. Created a set of RESTful API endpoints to enable external applications to fetch the related data in a much more efficient and structured manner.
- Developed a fully responsive [front end web application](#), that allows users to view, clip and manage digital coupons from their desktop or mobile devices. Application is currently in production for dozens of well known retailers across the country.

## **Clarus Agency, LLC. (acquired by Inmar Inc.)**

<http://www.clarusagency.com>

*Senior Software Engineer*

Austin, TX

May 2013- January 2015

- Architected and developed multiple responsive web applications for large corporate clients such as Emerson, Oracle and Cisco, using a combination of front end technologies such as HTML 5, LESS, Backbone Marionette, RequireJS and Bootstrap.
- Setup and maintained scalable hosting solutions using a combination of Node.js and Nginx on company's Rackspace servers.

## **Intific, Inc.**

<http://www.intific.com>

*Senior Software Engineer*

Austin, TX

September 2012- April 2013

- Worked as part of an Agile team of six developers on the U.S government (DARPA) funded project *Social Action Storm*: a unique browser based game that combines features from various modern social media sites. Created to test DARPA's own algorithms for analyzing online community patterns. Helped guide the project from initial stages of development through full Beta release.

## **HotSchedules, Inc.**

<http://www.hotschedules.com>

*Software Engineer*

Austin, TX

October 2011- September 2012

- Implemented new features and bug fixes to HotSchedule's multiple platforms including the HTML web application, Flex content management application, and Java Android mobile application, along with the corresponding back-end Java/Microsoft SQL server code.

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## BancVue, LTD.

<https://www.bancvue.com>

*U.I Application Developer*

Austin, TX

November 2009-October 2011

- Developed the company's Flash based content management system *FirstBase* along with the Flex/AIR desktop application for the client facing personal finance manager [Kasasa 360](#).

## Digital Positions, Inc.

<https://www.digitalpositions.com>

*Web Developer*

Atlanta, GA

May 2007–November 2009

- Built out over 25 dynamic, data-driven customer websites, using ColdFusion and Microsoft SQL Server coupled with front end XHTML and CSS.

## Professional Portfolio

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<https://oracle.com/webfolder/s/omc/video/roi-calculator/index.html>

<http://ioondemandcalculator.com/>

<http://justsavefoods.com/specialoffers/digital-coupons/>

## Personal Portfolio

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<http://hypergalactic.net/>

<http://leaguechamps.net/>

<http://aristobotgames.com>

## Open Source

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<https://github.com/jamespdlynn/portfolio>

<https://github.com/jamespdlynn/microjs>

<https://github.com/jamespdlynn/backbone.ezbinding>