

# Rithy Bun Huot

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## Experience

### Systems Engineer, DevOps

Oct. 2016 - Jan. 2017

*Optionmetrics, LLC*

New York, NY

- Implemented and supported build automation processes that compile, package and deploy applications for DEV, Staging, QA, and PROD environments, including any post-rollout issues
- Designed and deployed automated workflows using Stonebranch scheduler for data processing resulting in ~30% reduction in coupled workflows and ~15% increase in operational efficiency.
- Oversaw and maintained back-end applications and database systems across DEV, QA and PROD

### Systems Engineer, Cloud and Datacenter

June 2015 - Oct. 2016

*Broadridge Financial Solutions, Inc.*

Edgewood, NY

- Contributed to an estimated 20% of the development and maintenance of the virtual machines and infrastructure forecast with a global team of 25 people
- Designed and developed Cloud integration processes based on AWS reference architecture for Hybrid cloud
- Managed and supported physical and virtual infrastructures across multiple data centers
- Developed and deployed automation tools for VMware, IBM and AWS infrastructure
- Supervised incidents for 5+ major and 15+ minor production outages with 100% resolution

### Junior Vendor Management Analyst

May 2013 - May 2015

*Stony Brook University*

Stony Brook, NY

- Managed relationships and contracts for 97 vendors and 150+ software/hardware maintenance contracts
- Researched, analyzed and evaluated new vendors, 25+ in total as of March 2015
- Contributed to an estimated University's savings of \$0.92m in 6 months (2013) compared to \$1.22m in 12 months (2012)

## Certification

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|--|---|
| • ASOA   2016 AWS Certified SysOps Administrator | Associate Level (Certificate AWS-ASOA-4175) |
| • ADEV   2016 AWS Certified Developer            | Associate Level (Certificate AWS-ADEV-4595) |
| • ASA   2016 AWS Certified Solutions Architect   | Associate Level (Certificate AWS-ASA-20526) |
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## Projects

### JustDoIt (Rails, PostgreSQL, React, Redux)

[Live](#) | [Github](#)

*A fullstack, single-page event management app inspired by Meetup.*

- Optimized live searches by reducing the number of AJAX requests which resulted in reduced server loads
- Applied React's virtual-DOM to sync state changes from database using RESTful API from Rails backend
- Implemented custom secure front-end and back-end user authentication using Salt and BCrypt
- Designed a fully-responsive, user-friendly frontend experience with CSS flexbox and React Modal
- Leveraged AWS S3 for persistent datastore for images and videos

### Don't Fall! (JavaScript, HTML5 Canvas, Easel.js)

[Live](#) | [Github](#)

*A single-player platform jumper game*

- Calculated collisions between multiple objects every frame
- Implemented abstract jumping physics with vertical and horizontal velocity
- Minimize expense objects creation through object re-positioning and re-rendering

## Skills

JavaScript | Ruby |  
React | Redux | Rails  
jQuery | SQL | Python  
AWS | TeamCity  
Terraform | Packer | Git  
Powershell | RSpec

## Education

**App Academy**, Spring 2017

*Full-stack web development course with a <3% acceptance rate*

**Stony Brook University**, 2015

*BS, Double Major in Information Systems & Business Management  
GPA 3.74/4.0*