

**Employment**

<b>Senior Software Engineer</b>	<b>Rakuten (Ebates)</b>	<b>2017-Present</b>
<ul style="list-style-type: none"> <li>• Created, implemented, and managed the plan of action to break up our monolithic application into several microservices</li> <li>• Greatly improved the code quality and development time by teaching best practices</li> <li>• Designed architectural solutions to technical problems and oversaw the implementation done by DevOps</li> <li>• Improved team collaboration by conducting a Speed of Trust seminar</li> <li>• Took ownership of the deployment process by isolating PCI compliant components</li> <li>• Assisted in load testing and risk management in preparation for shopping season, followed by root cause analysis afterward</li> <li>• Provided leadership and direction to teams across the company</li> <li>• Heavily involved in recruiting, interviewing, and hiring process</li> <li>• Drove ongoing improvements and efficiencies to operational process and best practices</li> <li>• Hosted an office wide weekly book club to help define office culture and encourage further learning</li> </ul>		
<b>Software Engineer, Technical Lead</b>	<b>Thermo Fisher Scientific</b>	<b>2014-2017</b>
<ul style="list-style-type: none"> <li>• Technical lead and lead architect of a service-oriented framework for connecting all Thermo Fisher devices to AWS IoT</li> <li>• Technical lead in a Python project to redesigning and rewrite all of Thermo Fisher's field service test software</li> <li>• Developed and maintained product roadmap through software lifecycle and evolving versions</li> <li>• Performed cost analysis for maintaining long term production infrastructure</li> <li>• Created Android service application to provide IoT connectivity to devices using various communication protocols</li> <li>• Maintained legacy IoT platform (Axeda) and legacy service database using CGI (Perl) and PostgreSQL</li> <li>• Collaborated with remote and international teams for software and firmware integration</li> <li>• Lead technical discussions on design patterns, new technologies, and various computer science topics</li> <li>• Introduced various development tools and technologies to the team to significantly reduce development time</li> </ul>		
<b>Software Engineer II</b>	<b>The Experience Engine (Accesso)</b>	<b>2013-2014</b>
<ul style="list-style-type: none"> <li>• Created RESTful web services in Java for our application platform using Apache CXF</li> <li>• Created and managed numerous EC2 servers for Dev, QA, Stage, and Production environments</li> <li>• Gained extensive knowledge of the ServiceMix ESB container, OSGi, ActiveMQ, and Aries Blueprint DI</li> <li>• Configured and maintained our continuous integration/deployment scripts in our Jenkins server</li> <li>• Responsible for deployment process when rolling out our latest releases</li> <li>• Setup and maintained client specific CDNs using Amazon CloudFront backed by Amazon S3</li> <li>• Implemented an in-memory XML Object Repository which was later retired by CouchDB</li> </ul>		
<b>Software Engineer I</b>	<b>SAP (MeLLmo)</b>	<b>2012-2013</b>
<ul style="list-style-type: none"> <li>• Created a JSON Schema validator to guarantee valid content from incoming requests</li> <li>• Build a Salesforce connector to give our application the ability to read from/ write to Salesforce.com</li> <li>• Exhaustive load testing to prepare for our SaaS launch of RoamBI</li> </ul>		
<b>Software Engineer I</b>	<b>MNC Software</b>	<b>2011-2012</b>
<ul style="list-style-type: none"> <li>• Presented in design review using UML diagrams to express critical additions or changes to the system</li> <li>• Refactored existing code to optimize our system performance and maintainability</li> </ul>		
<b>Junior Software Developer</b>	<b>Air-Transport IT Services</b>	<b>2009-2011</b>
<b>Education</b>		
<b>San Diego, CA</b>	<b>San Diego State University</b>	<b>Graduated May 2014</b>
	Master of Science in Computer Science	3.4/4.0 GPA
<b>Orlando, FL</b>	<b>University of Central Florida</b>	<b>Graduated August 2011</b>
	Bachelor of Science in Computer Science	3.2/4.0 GPA

## Technical Experience

### Consultation

#### iRemember

Orlando, FL

2016

- Captured product requirements and provided client high level outline of necessary components for their product

#### ClassRewind

New York, NY

2014

- Personally composed and negotiated contract with client after consulting client on cost and scope of desired product
- Provided client with architecture design and UML diagrams to ensure expectations were aligned
- Built full stack application to schedule events and store/share videos on Google Drive, based on permissions

### Personal Projects

[gungunshoot.com](http://gungunshoot.com)

A serverless rock-paper-scissors style game built from AWS Cloud Formation

**That's So Punny – Alexa Skill (inactive)**

An Amazon Alexa Skill that will tell a pun on command and an Angular admin tool

[drēm.com](http://drēm.com)

Personal website using [iwantmyname.com](http://iwantmyname.com) for domain registrar deployed to Firebase

[drem.dev](http://drem.dev)

Personal website built from HTML5 UP deployed to Firebase

### Certifications

AWS Developer - Associate

Amazon Web Service

Acquired

2019

AWS Solutions Architect - Associate

Amazon Web Services

2017

Certified ScrumMaster

Scrum Alliance

2015

## Technologies

**Programming Languages**

Java; Python; JavaScript; TypeScript; SQL; HTML; JSON; XML; Bash

**Project Management**

Agile(Scrum); Maven; NPM; Jenkins; Jira; Git; Swagger; Confluence; Crucible

**DevOps**

Amazon AWS(EC2; IoT; SNS; SQS; S3; ...); Terraform; Docker; Kubernetes

**Databases**

MySQL; Redis; DynamoDB; MongoDB; CouchDB; SQLite; PostgreSQL

**Profiling Tools**

JMeter; JConsole; Loggly; New Relic; Sensu; Grafana; PMD; FindBugs; CheckStyle

**Testing Frameworks**

JUnit; Mockito; PowerMock; EasyMock; Robolectric; TestRails; Postman