

SUMMARY OF QUALIFICATIONS

A Software Engineer with two years' service layer experience, specializing in the coordination, communication, and support of high-profile software implementations at large financial institutions.

WORK EXPERIENCE

Software Developer Cardlytics, Inc.

March 2013 – Present
Atlanta, GA

- Designed and led development of a system to obfuscate the referrer information when an online banking user clicks a link taking him or her away from the bank website. Designed to handle 150+ clickouts per second with 99.9% uptime. Written in Python.
- Took over development of a system to follow web beacons for online banking users. Optimized it to handle 550 beacons per second (up from 30 per second). Written in Python.
- Drove adoption of a message queue architecture.

Implementation Engineer Cardlytics, Inc.

January 2012 – March 2013
Atlanta, GA

- Designed and implemented a high-availability infrastructure for Redis in support of a system that processes over 1000 card authorizations per second.
- Lead effort to implement this real-time messaging system at Bank of America. Designed a system spanning over half-a-dozen servers across two data centers.
- Created and modified SQL Server Import Services (SSIS) packages to import and export gigabytes of bank account and transaction data to and from MS SQL Server databases daily.

Configuration Manager Cardlytics, Inc.

May 2010 – January 2012
Atlanta, GA

- Tracked specific versions of the Cardlytics Offer Presentation System and supporting tools at fifteen banks to identify each version's features and defects on an internal Wiki.
- Designed and built thirty production, non-production, and ad hoc development environments.
- Analyzed the requirements of the company Offer Presentation System, and created release notes and custom installation instructions for 150 client-facing upgrades.

IT Support Specialist Cardlytics, Inc.

June 2009 – May 2010
Atlanta, GA

- Automated desktop and laptop imaging and deployment process using MS ImageX and MS WinPE, improving computer build rate 500%.
- Maintained a desktop and laptop computer reserve used to issue fifty new staff workstations, up to date credentials in Active Directory, new email accounts, and a sheet of instructions ready for new employees on their first day, while coordinating with six hiring managers.
- Set up and provided 24/7 support for seventy local and remote end users, twenty physical servers, and fifty virtual servers.

IT Contractor Perimeter Search Group

September 2007 – July 2009
Dunwoody, GA

- Provided technical support for ten Windows workstations and one Windows server, and performed virus removal, system restores, and email account maintenance.
- Designed, tested, and implemented an inexpensive backup system based on Bacula.

EDUCATION

Bachelor of Science (B.S.) Georgia Institute of Technology (Georgia Tech)

May 2012
Atlanta, GA

- **Major:** Computer Science – Networks & Human-Computer Interaction

ASSOCIATIONS

WREK Radio, <i>Assistant – Chief Engineer</i>	January 2008 – December 2009
Society of Broadcast Engineers, <i>Member</i>	January 2008 – December 2009
Elon Association for Computing Machinery, <i>Treasurer</i>	December 2005 – December 2007

ACADEMIC PROJECTS

Senior Design: Mental Health Clinician Tracking System	August 2011 – December 2011
<ul style="list-style-type: none">▪ Designed and created a Java-based, standalone Clinician Support Tool client that allowed twenty mental health clinicians in remote areas of Liberia to document patient encounters.▪ Designed and created a server-side Apache Tomcat application that enabled data aggregation features.▪ Installed, configured, and maintained a Rackspace server and source controls, managed Client and Server builds, and developed the client application using Java and Netbeans.	

AWARDS AND ACCOLATES

Honorable Mention: Cardlytics Innovation Contest	Nov-Dec 2012
<ul style="list-style-type: none">▪ Proposed a method for targeting offers to customers using Hadoop.	

PROJECTS

Imgex: a method for quickly determining similar images	March 2013 (ongoing)
<ul style="list-style-type: none">▪ Imagined and began implementing an algorithm for detecting similar images, and for storing information about how an image looks.▪ Implementing in the Go programming language, as an exercise to learn Go.▪ https://github.com/camerazn/imgex	

Educlipper	Dec 2012 - Apr 2013
<ul style="list-style-type: none">▪ Joined a team building an “educational Pinterest” in Ruby on Rails.▪ Wrote the code that migrated data from the MVP, a PHP/MySQL stack to a Ruby on Rails / MongoDB stack.	

TECHNICAL SKILLS

- **Programming Languages:** Java, C, C#, Python, Ruby on Rails, T-SQL, SQL Server Integration Services, LaTeX, PHP, Go
- **OS:** Windows Server 2008, Ubuntu Server 8.04 and higher
- **Databases and Data Stores:** Microsoft SQL Server, MySQL, Redis, Hadoop, MongoDB