

Christopher L. Rung

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EDUCATION

Bucknell University

Bachelor of Science, Computer Science & Engineering

May 2014
Lewisburg, PA

PROFESSIONAL EXPERIENCE

Verato

Software Engineer

June 2015 – May 2017
McLean, VA

- Designed and tested post-processors using functional programming to correct improperly formatted identity records
- Automated deployment of a full stack using Chef and Jenkins Pipelines: creating EC2 nodes to host Solr, Mongo, Zookeeper, Verato's RESTful APIs; connecting EBS volumes; achieving scalability and security with ELB and VPC
- Wrote unit and integration tests using the JUnit and Mockito testing frameworks and maintained >90% coverage
- Automated execution of Verato's Spring applications using Jenkins, which saved thousands of hours of manual steps
- Orchestrated effort to install and configure ReviewBoard after recognizing need for formal code review tool
- Wrote Bash scripts to automate evidence gathering to maintain HIPPA, PCI, EI3PA, HITRUST, SOC2 compliance
- Led implementation of per-branch builds using Jenkins Workflow to improve continuous integration and delivery

Innovative Defense Technologies

Associate Software Engineer

June 2014 – April 2015
Arlington, VA

- Enhanced an IDL file importer using the ANTLR parser and lexer generator
- Designed and implemented an SVN history viewer for IDT's Eclipse application using the EMF's SWT
- Authored documentation and delivered presentations to train colleagues and share knowledge
- Provided technical support for IDT's customers in both written and oral communication

INTERNSHIPS

Innovative Defense Technologies

Software Engineering Intern

Summer 2012, Summer 2013
Arlington, VA

- Wrote, executed, and analyzed thousands of automated tests internally and for the U.S. Navy's NAVAIR software
- Pitched and coordinated effort to migrate most of IDT's projects from SVN to Git
- Followed the Agile Development methodology; daily scrums and weekly sprints

Bucknell University

Undergraduate Research Assistant

Summer 2011
Lewisburg, PA

- Developed a hands-on elective course on mobile computing, with an emphasis on Google's Android platform
- Contributed to the FINS (Flexible InterNetwork Stack) Framework research effort

PROJECTS

DC Metro Widget / WMATAFetcher CocoaPod

Published Aug 2016

- Designed and implemented a macOS Today Extension that shows arrival times for the D.C. Metro *Swift*
- Presented work at Metro Hack Night VI, hosted at WMATA's headquarters in D.C. *v.2.1.0 / v.2.2.2*

Hearts Scoreboard

Published Sept 2015

- Wrote a universal iOS App that tracks and syncs scores for the Hearts playing card game *Objective-C*
- Used the fastlane framework to automate the build and release process to the App Store. *v.2.1*

TECHNICAL COMPETENCIES

Programming Languages: Java, JavaScript, Groovy, Swift, Obj-C, Python, Visual Basic, Matlab, Bash

DevOps and Build Tools: Linux, Jenkins, Gradle, Git, Docker, Chef, Maven, Ant, Archiva, Tomcat, Subversion

Amazon Web Services: EC2, EBS, ELB, S3, Lambda, RDS, VPC, Route53, CodeDeploy, CloudWatch, IAM, SNS

Frameworks: Spring, RxJava, NodeJS, Netty, Hibernate, Guice, NetflixOSS(Nebula, Ribbon), JUnit, Mockito, Log4j

Databases: MongoDB, PostgreSQL, MySQL, CouchDB, Couchbase, Liquibase

References available upon request