

# KARTHIK KUMAR

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## EDUCATION

### Georgia Tech

M.S. Computer Science (Online)  
Specialization: Interactive Intelligence  
Class of 2019  
GPA: 4.0/4.0

### Virginia Tech

B.S. Computer Science  
Minor in Mathematics  
Honors, Summa Cum Laude  
Class of 2013  
GPA: 3.89/4.0

## LANGUAGES

Java ●●●●○  
Scala ●●●○○  
Python ●●●○○  
SQL ●●●○○  
Ruby ●●○○○  
C ●●○○○  
Javascript ●●○○○

## TOOLS

MySQL | MongoDB  
Elasticsearch | Lucene  
HBase | ZooKeeper  
Spring | Play | Rails  
Android  
Git | SVN  
Maven | SBT | Make  
Unit Testing | TDD  
Docker | Mesos | Marathon  
Amazon Web Services  
JUnit | Scalatest | Mockito  
Jenkins | Splunk | JIRA  
Linux | OSX | Windows  
Librato | NewRelic | Datadog

## WORK

### Rally Health - Senior Software Engineer

JAN 2016 - PRESENT | WASHINGTON D.C.

- Migrated a legacy, monolithic application into several scalable, independently deployable microservices
- Architected and implemented a system for translating strings on-demand, based on a user's locale, using an external translations provider
- Built a microservice to recommend activities based on a user's health goals
- Refactored a critical system for fetching user and profile information that was used across the company
- Served as "dev monkey", responding to pages and handling live-site issues
- Mentored a summer intern, helping him meet his goals and objectives

### Opower - Software Engineer

JUN 2013 - DEC 2015 | ARLINGTON, VA

- Developed a batch data integration platform for ingesting utility data from over 100+ domestic and international clients
- Assisted in migrating and decommissioning clients from legacy import framework to new batch framework
- Worked on tools to visualize ETL and import validation process
- Created internal and external RESTful services for various business needs
- Participated in an on-call rotation and handled several critical client issues
- Code-reviewed change requests from fellow team members
- Supported implementation engineers with data acquisition process
- Conducted phone and on-site interviews for engineering positions
- Created and led a technical book club with coworkers

### Virginia Tech Department of Computer Science - Teaching Assistant

JAN 2013 - MAY 2013 | BLACKSBURG, VA

- Provided assistance for the Computer Systems (CS-3214) course

### Qualcomm - Software Engineering Intern

MAY 2012 - AUG 2012 | SAN DIEGO, CA

- Improved the build process for testing framework and tests
- Wrote test cases for proprietary modem software

### IBM - Software Engineering Intern

May 2012 - DEC 2012 | DURHAM, NC

- Wrote test cases for the WebSphere Application Server Console