

Isaac Karrer

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EDUCATION

GEORGIA TECH

MASTERS OF SCIENCE, COMPUTER SCIENCE

Attended Aug 2016 - May 2018
15 hours completed

TEXAS STATE UNIVERSITY

BS IN COMPUTER SCIENCE

May 2014 | San Marcos, Tx
Major GPA: 3.8
Math Minor
College of Engineering
Dean's List (Fall 13, Spring 14)

LBJ LASA

Liberal Arts & Science Academy
Grad. May 2005 | Austin, Tx

COURSEWORK

Software Test and Analysis
High Performance Computer Arch
Computer Security
Data Mining
Data Compression
Networks
Data Structures
Object Oriented Design

SKILLS

PROGRAMMING

Frameworks

scalatest • terraform • Selenium • Kitera

Proficient Languages

Scala • Java • Python • Bash

Familiar Languages

Golang • Ruby • C++ • MySQL

DEPLOYMENT/CI

Jenkins • Bamboo
Gradle • Docker • Vagrant

CLOUD SERVICES

elasticsearch • AWS • GCP • Azure
IBM Softlayer • Oracle CRM DB

RELATED INTERESTS

- Scuba Diving
- DIY Home and Car Maintenance
- R/C Cars, Planes, and Quadcopters

EXPERIENCE

ELASTICSEARCH | Senior Software Engineer

April 2018 - Current | Remote

- Implemented Release Exit Check quality gate to assert the health of our public cloud as we released across cloud providers and their regions.
- Teams started adding tests to the Release Exit Checks when they saw we could catch things as the release progressed. Adding an annotation to a test was all that was required to add it to the release.
- Ownership of Release Exit Checks distributed to teams who owned the test.
- cloud-sdk-java for consuming Elasticsearch Service in java projects.
- Implemented patterns for initializing swagger api controllers as the desired persona and authentication strategy in the scalatest framework.
- Implemented key primitives in the scalatest framework to facilitate migrating system tests from the ClustersApi to the DeploymentsApi. Teams quickly completed the migration when the ClustersApi was EOL.
- Executed tactical refactors to simplify the maintenance burden of scalatests.
- Worked the customer facing support queue as a platform admin to debug, triage, and remediate broken elasticsearch deployments on Elasticsearch Service and Elastic Cloud Enterprise.

JAMF | Software Engineer II

October 2015 - March 2018 | Eau Claire, WI

- Key contributor to new system testing framework.
- Implemented REST client for legacy Customer API using Spring and JaxB
- Led team of 5 others to automate existing manual regression suite.
- Automated reporting of Test Results into TestRail using Python.
- Implemented component tagging scheme to ensure that every test could be expedited to a development team for triage when failures occurred.
- Led intern project to expose the MacOS Accessibility API via a REST server implemented in Swift so that we could control applications on the screen after a VNC session had been established.
- Implemented Client Reservation Server using Spring Boot, Docker, and Gradle. Used MySQL, H2, and Swagger Code Gen. Service has been in production for 1+ year with 99.99% availability.

IBM | Cloud Infrastructure Services - Software Engineer

May 2014 - June 2015 | Austin, TX

- Deployed OpenStack Object Storage using Chef
- Wrote an automated capacity manager using Python for OpenStack Swift
- Automated Ring building for OpenStack Swift using Chef

SAN FRANCISCO CONSULTING GROUP

Software Engineering Intern

May 2013 - Sept 2013 | Austin, TX

- Wrote PHP and jQuery to perform custom CRUD operations

CITY OF AUSTIN PARKS AND RECREATION PARKS DIVISION

Supervisor, Manager, Maintenance, Lifeguard Instructor

May 2004 - Aug 2012 | Austin, TX

- 9 years management, leadership, and teaching experience
- Managed and trained 70+ ARC Lifeguards across 6 sites