JOSHUA KING

Software Engineer
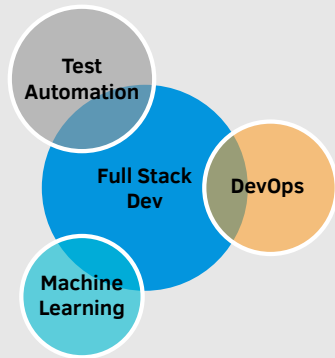
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Technical Skills

Overview

Programming

Javascript • Selenium

SQL • Terraform • AWS

SQL • Scala • Golang

C# • SAS • MongoDB

Education

Ph.D. Candidate, Computer Science
Specialization: Machine Learning
University of Kentucky
2011 - 2013 | Lexington, KY

B.S., Computer Science
Marshall University
2007 - 2011 | Huntington, WV

Experience

Jul 2021 - Present — **Software Engineer** — LifeOmic

- Implemented dynamic image cropping with AWS edge lambdas
- Developed a content import and export feature for structured text & media
- Ground-up rebuild of an internal CMS for files and amorphous content
  Tools: NodeJS, Docker, AWS Lambda, DynamoDB, Terraform

Aug 2020 - Jul 2021 — **Software Engineer** — Angi

- Analyzed Gatsby vs. NextJS and prototyped NextJS-based micro front-end apps.
- Migrated existing react apps to NextJS. Assisted with Rebranding from AngiesList -> Angi.
- Projects: Gatsby vs. NextJS bake off, NextJS migration and rebranding
  Tools: NextJS, Docker, Akamai, Yeoman

Oct 2019 - Jul 2020 — **Senior Software Engineer** — OneCause

- Focused on improving testing patterns and tooling in a jenkins-based CI/CD pipeline.
- Mentored other Software and QA Engineers.
- Projects: E2E test CI/CD rollout, API performance tooling
  Tools: Angular, Docker, Selenium, AWS Lambda, Mage (Golang)

- Moved to a product-based team in April 2020, where I have implemented integration and e2e tests in the existing (Heroku) pipeline.
- Migrated functionality persisted in durable, single-node Redis to a hybrid of clustered Redis and MongoDB.
  Tools: AngularJS, Heroku, Codeship, Jest

May 2018 - Oct 2019 — **SDET** — AngiesList

- Joined as a QA Engineer tasked with evangelizing automated testing. Coached and encouraged other QA members to be involved in the transition to automation.
- Contributed to an API integration test automation framework on top of mocha/chai
- Transitioned to an SDET on the CORE platform team, where I helped migrate the original API framework to use Gherkin, updated production Scala services, and wrote various Jenkins jobs.

Feb 2015- Mar 2018 — **Verification Engineer** — PRO Unlimited

- Performed FDA-compliant software verification as an on-site resource for Roche Diagnostics
- Transitioned a 400-test plan from fully manual to more than 90% automated test coverage using the Selenium Java wrapper, turning a 3 to 4 week process into 1 week.
- Created desktop software and USB device tests using C# and the Windows Automation libraries.

Publications

Nathan Jacobs, Joshua King, Daniel Bowers, and Richard Souvenir "Estimating Cloud Maps from Outdoor Image Sequences" in IEEE Winter Conference on Applications of Computer Vision (WACV), 2014.