ROB WILLIFORD

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EXPERIENCE

Senior Software Engineer
Freelance 📅 09/2020 - Ongoing 📍 Raleigh, NC
Various
- Freelance, full-stack software development consulting on various client projects. Industries include freight supply chain, entertainment, healthcare, and energy industries. Majority of projects utilize AWS, OpenJDK 8/11, ReactJS, and NodeJS. Work sourced through Vaco LLC and Eliassen Group LLC.

Software Engineer
PrecisionHawk 📅 11/2019 - 09/2020 📍 Raleigh, NC
Drone/Software Solutions for Energy and Agriculture
- (Full-time) Full-stack react and java8/openjdk development on AWS infrastructure for an application that allows energy companies to monitor the transmission lines and components of their electrical grid infrastructure.

Software Engineer
IBM 📅 03/2019 - 10/2019 📍 RTP
Cloud, IT, and IoT solutions
- (Full-time) Built automated solutions using Python for database data migrations for quote to cash financial information. Worked on distributed cloud-native application with a distributed systems back-end implemented in Go, ReactJS front-ends, and using Kubernetes. Focusing on optimizing data-streaming capabilities for file upload/download, and gathering and aggregating associated financial metadata. (CIO department).

Software Engineer
Cisco 📅 06/2017 - 03/2019 📍 RTP
Digital Security and Networking Solutions
- (Contract) Full-stack web development. (Web application that assesses the viability of software images to be deployed to production systems by analyzing file contents). Led the development on service integrations and page navigation mechanisms, and expanded the functionality of numerous back-end services. Deployed on a hybrid-cloud infrastructure. Used: heavy Ruby and JS usage as well as some Go, Java, and Python.

Back-End Developer
iCiDigital 📅 02/2017 - 06/2017 📍 Raleigh, NC
Software Consultancy

Junior Web Developer
The Iron Yard 📅 09/2016 - 12/2016 📍 Durham, NC
Web Development Bootcamp

Data Analyst
Stealz, Inc. 📅 05/2016 - 08/2016 📍 Raleigh, NC
Mobile Internet Marketing Application

Graduate Research Assistant
North Carolina State University 📅 05/2015 - 08/2015 📍 Raleigh, NC
Machine Learning Lab

EDUCATION

B.S. Environmental Science/Mathematics
North Carolina State University 📅 08/2011 - 05/2016 📍 Raleigh, NC

SUMMARY

I have over 4 years of industry experience, and I like pushing the boundaries of what people think is possible. I enjoy working on applications that have the potential to shift paradigms, and value and like to help cultivate empathy and collaboration in a team oriented environment.

SKILLS

Languages
Java Javascript Ruby Python Go

Frameworks
Ruby on Rails NodeJS Buffalo ReactJS Flask Spring

Cloud
AWS IBM Cloud Pivotal

Infrastructure
PostgreSQL Redis Heroku Git Jira Apache Sling MariaDB CassandraDB Linux Kubernetes CloudFoundry nginx ElasticSearch AWS ECS AWS Batch Cloud Functions Docker MariaDB AWS S3 AWS Serverless Terraform Jenkins

PASSIONS

- Open Source
- Physics/Mathematics
- Traveling
- Environment