

# ROB WILLIFORD

☎ 336-456-5834   @ self.rswillif@gmail.com   ↗ rswillif.github.io   📍 Denver, CO

## EXPERIENCE

### Senior Software Engineer

**Freelance**   📅 10/2022 - Present   📍 Remote - Denver, CO

Various

- Freelance software development for a local enterprise company in Denver
- Worked on the user customer experience team for billing
- C# Xamarin and TypeScript Angular development
- Helped mentor junior developers and presented to department on similarities and differences of C# and TypeScript to help with the facilitation of a technology stack shift for the mobile customer experience - the transition was/is from C# Xamarin to Angular PWA with Ionic
- Work sourced through Unison Systems

### Senior Software Engineer

**Blackbaud**   📅 11/2021 - 09/2022   📍 Remote - Denver, CO

Computer Software Company

- (Full-time) Full-stack, cloud-native software engineering leveraging .NET/Azure (Angular/RxJS front-end, C#/Azure back-end)
- Worked on the accounting side of the next generation, web-based version of the company's Financial Edge software offering
- Performed end to end software implementations for feature enhancements and existing defects from UI to Database systems
- Member of the coding interview working group tasked with refining and improving the algorithms and data structures aspect of the interview experience for prospective software engineering company candidates

### Senior Software Engineer

**Freelance**   📅 09/2020 - 10/2021   📍 Remote - 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   📍 Hybrid - Raleigh, NC

Drone/Software Solutions for Energy and Agriculture

- (Full-time) Full-stack react and Java8/OpenJDK development utilizing an AWS infrastructure.
- The application allows energy companies to monitor the transmission lines and components of their electrical grid infrastructure via drone imaging data.

### Software Engineer

**IBM**   📅 03/2019 - 10/2019   📍 RTP

Cloud, IT, and IoT solutions

- (Full-time) Built automated solutions using Python3 for database data migrations for quote to cash financial information hosted on IBMCloud.
- Worked on building a new cloud-native PaaS with a distributed systems back-end implemented in Go, ReactJS front-ends, and using Kubernetes hosted on IBMCloud.
- Focused on optimizing data-streaming capabilities for file upload/download, and gathering and aggregating associated financial metadata via building internal API integrations with other internal, financial services. (CIO department).

## SUMMARY

I have over 7 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. I value and like to help cultivate empathy and collaboration in a team oriented environment, and am an advocate for mutual respect and work-life balance in company cultures.

## SKILLS

### Languages

Java   Javascript   Ruby   Python

Go   C#   TypeScript

### Frameworks

Ruby on Rails   NodeJS   Buffalo

ReactJS   Flask   Spring   Angular

.NET   Xamarin

### Cloud

AWS   IBM Cloud   Pivotal   Azure

### 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

## EXPERIENCE

### Software Engineer

Cisco

06/2017 - 03/2019 Hybrid - RTP

Digital Security and Networking Solutions

- (Contract) Full-stack web development on a 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

Department of Computer Science

## EDUCATION

### B.S. Environmental Science/Mathematics

North Carolina State University

08/2011 - 05/2016 Raleigh, NC

## PASSIONS



Physics/Mathematics



Traveling



Environment