

# ROB WILLIFORD

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## 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'm a full-stack polyglot with over 7 years of industry experience, and like pushing the boundaries of what people think is possible. I enjoy working on applications that have the potential to shift paradigms, and drive large impact. I value and like to help cultivate empathy and collaboration in a team oriented environment, and am an advocate for 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

### 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

OAuth    Auth0    AWS Cognito

### Cloud

AWS    IBM Cloud    Pivotal    Azure

## 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



Open Source



Physics/Mathematics



Traveling



Environment