


Jimmy Briggs

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Summary

Creative and entrepreneurial Software Engineer and Actuarial Scientist with background working in dynamic and progressive environments as both an actuary and a developer in large and small organizations.

Fluent in a multitude of programming languages and frameworks used to develop software within a wide variety of industries.

Collaborative team player focused on scoping projects and achieving objectives with speed and accuracy.

Successful history of identifying patterns, making interpretations, and producing results.

Experience

Senior Associate | Actuarial Modernization

PwC

Sep 2021 - Present (1 year 9 months)

Actuarial Modernization using emerging technologies and cloud solutions.

Software Engineer

Microsoft

Jun 2021 - Aug 2021 (3 months)

Reviewed and developed the core Windows 11 OS for Windows Developer Insiders as well as tested various functionalities and enhancements in conjunction with the Microsoft Open Source Developers.

Chief Data Scientist

Tychobra

Oct 2020 - Jul 2021 (10 months)

I work primarily with data science and statistics developing innovative solutions to a wide range of clients.

My primary areas of focus as a full stack, open-source web developer is software engineering, actuarial science, IT infrastructure, mathematics and statistics, database management, and cloud computing.

On the side I enjoy collaborating with colleagues from around the globe on methods and workflows related to the realm of personal knowledge management (PKM); synthesizing workflows for curating daily learning into knowledge backed wisdom in the age of information overload.

System Design Engineer

PowWater

Jan 2021 - Jun 2021 (6 months)

- Created, designed, and maintained the lifetime of the core, monolithic backend database using PostgreSQL hosted on Google Cloud SQL.
- Created initial “mock” database for initial development and testing through the final production database used at the initial beta test launch
- Orchestrated and decided the many various cloud services to use throughout the project including a multitude of GCP APIs, Google Maps APIs for real time delivery tracking, reverse geocoding, and route optimization/dispatching, Firebase for mobile app authentication and user management, MPesa/Safaricom APIs for secure payment gateways, Africa’s Talking for communications and notifications, and other services.
- Utilized React Native to build both Android and iOS mobile applications for customers, vendors, and riders (deliverers) in conjunction with the orders management API to allow mobile clients to interact directly with the database.
- Designed two administrative dashboards as web applications (one for vendors and one for Powwater admins) to oversee the operations of the system in real-time.
- Created a NoSQL database for document storage related to real-time water quality tests received from the vendors providing the water to customers.
- Wrote all project-wide documentation, from the highly technical to the end-user guides.
- Trained and onboarded new Kenyan developers remotely onto to the project.



Actuarial Consultant

Oliver Wyman

May 2015 - Oct 2020 (5 years 6 months)

Loss Reserving, Rate Making, Predictive Analytics, Statistics, Data Mining, App Development, Programming, General P&C Actuarial Consulting

Education



The University of Georgia

Bachelor's Degree, Finance, General

2011 - 2015



The University of Georgia

Minor, Statistics

2011 - 2015



The University of Georgia

Certificate, Actuarial Science

2011 - 2014

Licenses & Certifications



SOA Exam P - Society of Actuaries



SOA Exam FM - Society of Actuaries



SOA Exam MFE - Society of Actuaries



CAS Exam 4/C - Casualty Actuarial Society



CAS Exam S - Casualty Actuarial Society



Microsoft Certified Solutions Expert: Productivity - LinkedIn



Cloud Native Twelve-Factor Applications - LinkedIn



Deep Work: Rules for Focused Success in a Distracted World - LinkedIn



Optimize the Day Ahead - LinkedIn



Managing Career Burnout - LinkedIn



SQL Server Machine Learning Services: R - LinkedIn



Software Architecture: From Developer to Architect - LinkedIn



Building Reliable Flask Applications - Pluralsight

REP ID 4127



Capturing Logic with Stored Procedures in T-SQL - Pluralsight



How to Motivate Yourself to Do What's Most Important - LinkedIn



Big Picture: Enterprise Data Management - Pluralsight

REP ID 4127



Practical Digital Transformation: Through the Systematic Use of Data and Models - Pluralsight

REP ID 4127



Cloud-native Architecture: The Big Picture - Pluralsight

REP ID 4127



Data Strategy - LinkedIn

 **Excel: Creating a Dashboard with Power Query (Office 365/Microsoft 365) -**
LinkedIn


 **Project Management Skills for Leaders -** LinkedIn

 **Python Object-Oriented Programming -** LinkedIn

Skills

Agile Application Development • Python (Programming Language) • Data Management • Git • Microsoft Azure • Computer Science • Amazon Web Services (AWS) • SQL • Actuarial Science • Software Development

Honors & Awards

 **Dean's List -** University Of Georgia
Aug 2014

 **Zell B. Miller and HOPE Scholarships -** State of Georgia
Aug 2011

 **AP Scholar Award**

 **Cum Laude University of Georgia -** UGA
May 2015