B/T Brian Tran

Software Engineer & Actuarial Analyst

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ABOUT ME

Experienced Actuarial Analyst with 6+ years background in all aspects of the Software Development Life Cycle; from developing automated analytical reports for executives to designing, implementing, testing, and deployment of applications.

Proficient in a wide variety of languages and tools to deliver scalable applications that provide meaningful, accurate results that also tell a story. Loves to think outside the box and seeks a challenge.

EDUCATION

B.S. Applied Mathematics
California State University Polytechnic, Pomona
Magna Cum Laude, GPA: 3.77
President's List 2015-2016

SOFTWARE

SpringBoot	PySpark	JIRA
Flask	Postman API Platform	Scikit-learn
Pandas	Numpy	Maven
Socket	Threading	AWS

WORK EXPERIENCE

Software Engineer I
ICW Group / San Diego, CA / January 2021 - Present

Volunteered to serve as subject matter expert and assist developers in porting existing code to Java and build out workers comp pricing API

- Porting insurance pricing application of 40+ Excel sheets and VBA API to Java REST API using SpringBoot Framework
- Design and normalize 40+ SQL tables to support pricing application
- Utilize Factory and Reflection patterns in VBA to implement ETL process in order to automate regular table updates of unknown sizes
- Developed automated ETL pipeline to random sample and batch process 21,000 XMLs at a time for multiple models, reducing server usage by over 90%

Intermediate Actuarial Analyst
ICW Group / San Diego, CA / June 2016 - Present

Use mathematics, statistics, and financial theory to analyze financial costs of risk and uncertainty

- Automate data exploration, cleaning, uploading, and manipulation tasks using VBA, R, SQL, Python, Batch Scripts, Ansible, and other tools
- Built machine learning models to predict future losses, expenses, and premium
- Conduct actuarial analyses on loss forecasting, credibility weighting, territorial segmentation, and other studies to offer competitive and accurate prices
- Train junior analysts in developing backend pricing applications, lead monthly pricing release deployments, utilizing Git to manage code base, and more

SKILLS

SQL | Java | Python | Git | VBA | HTML/CSS | SOAP/REST | Linux | Docker