

MARK RUBIN

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SKILLS

Languages: Python, SQL, Ruby

Frameworks: FastAPI, Flask, Pytest, Ruby on Rails, Pandas, Jupyter Notebook

Databases/Libraries/Tools: PostgreSQL, MongoDB, Docker, AWS, Folium, APIs, Pyenv, Mypy, Git, Gitlab, GitHub, Jira, Microsoft Excel

EXPERIENCE

Admin Analyst

Feb 2024 - Present

American Specialty Health | Skills: SQL, Microsoft Excel

- Handling Medicaid/Medicare datasets of up to 1,000 medical providers in the rehabilitation space in all 50 states in the U.S to automate confirmation of healthcare program enrollment from csv files and/or data APIs.
- Running system queries and reports within the Promis database system.
- Reporting and tracking service denial notifications on a daily/monthly basis.
- Developing and maintaining procedures with process documents related to member service denial processes.

Software Engineer

April 2024 – July 2024

Agave Home Loans (Contract) | Skills: PHP, JavaScript, Python

- Implementing call queue functionality to loan officers using Zoom's developer API and routing it to specific loan officers based on their performance output.
- Scraped and automated mortgage reviews that are pertinent to monthly loan officer performance and output and for purposes of promotions.

Delivery Lead/Jr. Software Engineer

Aug 2023 – Nov 2023

Modo Bio | Skills: Python, Flask, PostgreSQL, MongoDB, Docker

**Short tenure due to company shutdown*

- Supported a portfolio of 3-5 backend software development initiatives for a venture backed start-up working on a product with a \$15B TAM.
- Assessed and optimized the team's full-text search performance and capabilities, evaluating alternatives to Elasticsearch including MongoDB Atlas and Postgres's built-in search.
- Identified relevant APIs needed for implementation based on differing user needs.
- Added type hinting to the existing Python code to improve readability and the architecture of the project.
- Resolving tickets in Jira within 48 hours while implementing more efficient error detection.
- Engaged in 3-5 weekly code reviews with the Sr. Data Scientist to further my understanding of our data pipelines.
- Evaluated use of relational vs non-relational databases for user and wearable device data management.
- Participated in weekly meetings alongside our CEO and Technical Lead with contractors for feature development plans that would last approximately 7-10 weeks, ranging from \$15,000 - \$25,000 in total.

Lead Trainer

Jan 2021 – Aug 2023

Parallel Health and Performance

- Founded a hybrid-remote personal training business in 2020 in response to Covid restrictions on in-person training, serving 25 clients in the first year of operating.
- Tested various training apps to ensure the most user-friendly experience for clients through streamlined communication and accountability.

Sports Performance Coach

May 2015 - Jan 2021

Norwich City FC | San Antonio FC | EXOS | UIW Swimming & Diving | Explosive Sports Performance | Team 44

- *Data Analytics:* Analyzed player performance metrics in training and games using GPS software and muscle oxygen software for 30+ professional athletes.
- Managing hundreds of thousands of time-series data points using Microsoft Excel, including pivot tables and custom visualization dashboards for daily, weekly, and monthly reports.
- Performing calculations with built-in functions and customized statistical analyses over short and long-term time periods according to gold-standards, as well as team context.
- Communicating with non-technical staff to aid in making high-level performance decisions, especially in a rehabilitation context, where six-figure and seven-figure contracts are at stake.

EDUCATION

Actualize Coding Bootcamp Certificate in Full-Stack Web Development	Sep 2022 - Jan 2023
Arizona State University Master of Science in Exercise and Wellness (Fitness and Conditioning)	2014 - 2016
University of the Incarnate Word Bachelor of Science in Biology, Student-Athlete (Swimming)	2009 - 2013