**Andrew Wulf**

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**Full-Stack Software Developer**

***Data-driven Developer with Expertise in Database Management, Process Automation, & Front End Design***

Versatile software engineering professional offering project experience in Python, JavaScript, SQL, Ruby on Rails and React. Proven track-record of developing and executing successful software engineering projects aligned to organizational objectives with a focus on user experience, operational process improvements, and cost optimization. Motivated professional committed to growth and development.

**Check out my Portfolio** at: https://www.andrew-wulf-portfolio.com

**CORE COMPETENCIES**

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| --- | --- | --- |
| * Software Engineering | * Full Stack Development | * Project Management |
| * Cost Optimization | * Data & Analytics | * Dev Ops |
| * Dynamic Programming | * Object Oriented Programming | * Efficiency Improvements |
| * UX Implementation | * Version Control | * Pair Programming |

**PROFESSIONAL EXPERIENCE**

***FEAM Aero*** ***2023 – 2024***

**Data Analyst – Billing**

* Oversaw a portfolio of data analysis initiatives for a $200MM organization, supporting Aircraft on Ground (AOG) software implementations and data analysis, handling reporting on $12MM+/year impacting 3 product lines.
* Built billing software from the ground-up utilizing Python, increasing overall time and labor efficiency by a factor of 20 through a work order, receipt management, and automated invoicing tool.
* Created a proof of concept for broad, company-wide application which if implemented is expected to save the company $700K in the first year through savings in manpower and reduced interest on loans, by deployment to the entire billing team and 1200+ mechanics.
* Application reduced errors in invoicing, data entry and internal documents, thereby decreasing invoice disputes, increasing client satisfaction and reducing team workload.

***ARO / USG Corporation*** ***2022 – 2023***

**Client Services Rep**

* Worked in a team of 4 to provide administrative and event services support to an 8 floor corporate HQ housing 200 employees. Handled package delivery, conference room maintenance, service requests, inventory, and the printing/mailing of 300 paychecks daily.
* Led setup and takedown for 1-2 corporate events per month, attended by up to 150 employees each.
* Assisted the in-house catering team in providing meals to 10+ meetings per week, serving an average of 200 employees.
* Assisted the in-house print shop in printing, cutting, binding and packaging manuals, catalogs and pamphlets on a project-by-project basis, averaging multiple projects per week.

***Eataly*** ***2021 – 2022***

**Table Support**

* Worked in a team of 5-6 support staff per shift to support 4 separate kitchens and eating areas, serving around 400 patrons a night.
* Worked closely with wait staff, cooks, bartenders and dishwashers to serve food promptly to customers, prepare and supply complimentary appetizers, keep the restaurant stocked, handle dish removal, and buss tables.

**RELEVANT PROJECTS**

**Twitter Clone – *Freelance***

* Technologies: Ruby on Rails, React.js, Supabase, Heroku, Render
* Full stack social media app made from scratch. Supports the creation of users with custom profiles, user follows & unfollows, tweet creation, likes, retweets, a procedurally generating timeline, and a tweet view page that shows all parents and subtweets.
* Backend API built with Ruby on Rails. Features sessions and user authentication with JWT. For demo purposes, database is seeded with 200 fake user accounts that like and retweet random tweets. Half of the fake users have custom profiles and tweets generated by ChatGPT.
* Front end styled with pure CSS to resemble the current X.com layout, with color schemes closer resembling the original twitter.

**Movie Battle – *Freelance***

* Technologies: React.js, Tailwind, Express.js, Socket.io, Heroku, Render
* Live service trivia game, supporting concurrent lobbies of 1-8 players.
* Back end utilizes themoviedb API and Javascript classes for game functions and logic, and an Express.js socket.io server to handle live connections and requests from the front end.
* Tailwind-styled front end seeks to connect automatically to socket.io server, updating dynamically based on received game data.

**Billing App – *FEAM***

* Technologies: Python, SQLAlchemy, Selenium, Retool, Tkinter, Pymupdf, xlwings
* Created a database which allowed the assignment of metadata (i.e. names and dollar amounts) to pdf documents, and the assignment of the resulting database entries to specific AOGs worked on by mechanics. An automated pdf processing program imported pdf and image documents to the database in batches, gleaned metadata from documents via OCR and assigned them to AOGs based on mechanic names and dates.
* Created a Python application which leveraged the database to generate a finished invoice in QuickBooks, a formatted pdf document with all work orders and expenses, and detailed Excel documents to comply with any internal or client processes.
* Built a GUI with Tkinter, and later a website with Retool, which facilitated user interaction with the database. Users look through AOG folders and view separate expenses for each mechanic, adding, editing or deleting expenses as needed.

**TECHNICAL SKILLS**

***Languages / Frameworks:*** *SQL, P**ython, Javascript, HTML5/CSS, Tailwind, Node.js, React.js, Ruby on Rails, REST, Git, Bash*

***Data******:*** *PostgreSQL, SQLAlchemy, pandas, NumPy, Excel, VBA*

***Systems:*** *Windows, macOS*

**EDUCATION & CERTIFICATIONS**

**Bachelor of Arts in Theatre Arts –** *Taylor University*

**Certification in Full-Stack Web Development** *– Actualize Bootcamp*