**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 expertise in Python, JavaScript, SQL, and the web development frameworks Ruby on Rails/React.js. 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 professional growth and development who consistently exceeds KPIs.

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**

**Technologies**: Python, SQLAlchemy, Retool, Tkinter, Pymupdf, Selenium, xlwings

* 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+ employees and subcontractors.
* Application reduced errors in invoicing, data entry and internal documents, thereby decreasing invoice disputes, increasing client satisfaction and reducing team workload.
* 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 could import pdf and image documents to the database in batches, glean metadata from documents via OCR and assign them to AOGs based on mechanic names and dates.
* Created a Python application which, for each AOG worked on, 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 website in retool which functioned as a proof-of-concept front-end for the database. A user could look through AOG folders and view separate expenses for each mechanic, adding, editing or deleting expenses as needed.

***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.

**TECHNICAL SKILLS**

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

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

***Applications******:*** *Visual Studio Code, Pycharm, Office 365, Outlook, Teams, Slack*

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

**EDUCATION & CERTIFICATIONS**

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

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