Ian Wilkewitz

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Data Engineer | Technical Project Management | Strategic Planning

OVERVIEW

Process-oriented Data Engineer with extensive experience in data transformation, software development, and data-driven decision-making. Expertise in managing large-scale technical projects, troubleshooting, and efficient solution implementation. Focuses on bridging gaps in communicating between technical and non-technical audiences, leveraging skills to support technical operations and enhance productivity. Skilled at facilitating process improvements and collaborating cross-functionally to develop growth strategies. Successfully operates in a remote environment, consistently meeting strict deadlines and aligning with mission-critical goals. In search of a Data Engineer or Software Engineer role to contribute to ongoing objectives, initiatives, and long-term success.

EXPERTISE

Data Transformation | Software Engineering & Development | SaaS | Troubleshooting | Machine Learning | Documentation Writing | Solution Implementation | Data-Driven Decision-Making | Quality Assurance | Process Improvement | Relationship Building | Technical & Non-Technical Communication | Team Collaboration | Compliance

PROFESSIONAL EXPERIENCE

Data Engineer
Munetrix | Remote | FEB 2022 – JAN 2025

Functioned in a SaaS company, collecting and transforming education assessment data from the Michigan Department of Education portal and uploading into MySQL database. Operated across an ever-changing and rapidly expanding company, successfully working through various mergers and acquisitions. Played an integral role in mission-critical operations, providing ongoing support throughout the organization to focus on goal attainment. Acted as a liaison between the Customer Experience and Development teams to bridge gaps in communication and ensure understanding. Focused on technical project management and cross-functional collaboration to ensure seamless operations.

- Developed Python scripts to automatically upload educational assessment data into MySQL relational database, driving automation by replacing manual processes.
- Updated and maintained Python and SQL scripts to adapt to yearly education data formatting changes.
- Designed Python script to create users of varying permission levels from a spreadsheet.
- Facilitated pair programming, serving in both navigator and driver roles.
- Executed troubleshooting of customer account login issues within a Postgres database and AWS Cognito.
- Utilized Python and Microsoft Excel to normalize and transform large financial datasets.
- Tracked the releasing of new municipal and school financial data across varying schedules.
- Uploaded transparency documents for schools to display and maintain regulatory compliance.
- Performed hands-on software development to align with organizational targets.
- Engaged in Scrum style sprints across two-week timeframes to ensure alignment with goals. Participated in daily stands, one-on-ones, and larger department meetings to share status updates and knowledge.
- Worked with the Customer Experience Team to translate complex information into easy-to-understand language for customers, offer user account support, and execute troubleshooting.
- Consistently analyzed business practices to implement process improvements and increase efficiency.
- Collaborated across teams to enhance data-driven decision-making and large-scale initiatives.
- Maintained communication with remote technical and non-technical teams to provide technical insight.

Software Developer
Somsanouk IT Consulting | Remote | JULY 2021 – OCT 2021

Researched solution implementations to streamline the submission process for a small practice managing healthcare insurance claims. Engaged with a high-performing team to deploy/utilize AWS Relational Database Service to store data. Solely launched AWS Glue Managed ETL Service to import tables of data from RDS. Led custom data transformations through Python within Glue to organize and format claims data to submit to insurance companies.

PROJECT EXPERIENCE

Personal Resume Portfolio Website | PRESENT
Manage a personal resume portfolio website project to expand skill set and knowledge. Utilize Python using Django web framework, VENV (virtual environment), and Git source control, setting up all aspects of web project to ensure functionality.

CS2 Win Prediction | PRESENT
Oversee a project to analyze past data of video game match history between players, predicting outcome of matches before they are played. Leverage machine learning algorithm with a random forest classifier and use packages such as Pandas, sklearn, VENV, and Git source control.

EDUCATION & TECHNICAL SKILLS

Bachelor of Science: Computer Information Systems | Grand Valley State University
Computer Information Systems Study Abroad Program | *Switzerland*
Computer Science Certificate: Computer Information Systems | Schoolcraft College

Tech Skills: Python (Pandas, Selenium, BS4, Numpy, Matplotlib, Scipy, Django Web Framework, VENV, sklearn), RStudio, AWS (Glue, RDS, Lambda, IAM Roles, VPC Endpoints, EC2), Java, C, C++, C#, JavaScript/TypeScript, PL/SQL, MySQL, Assembly, Visual Basic, Power BI, SSMS, Tableau, Microsoft Office Suite, Git