Kalee Li

Data Solution Engineer | Process Automation & Data Analyst

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Professional Summary

I am a junior Data Solution Engineer and Analyst specializing in data infrastructure, technical solutions, and process optimization. I am skilled in Python, R, SQL, JavaScript, and Tableau. I analyze systems, identify bottlenecks, and automate workflows to enhance efficiency and enable data-driven decisions.

Technical Skills

- Programming Languages: Python (Pandas, Matplotlib, NumPy), R, JavaScript, C++
- Databases & Warehousing: RDBMS (SQL, MySQL, SQLite), NoSQL (MongoDB, Mongoose, Firebase), BigQuery
- Data Engineering: ETL, Data Pipelines, Data Transformation, Web Scraping (Selenium, BeautifulSoup), API Wrapper/Crawler (e.g., asyncpraw, tweepy, pytrends, Jikan)
- Data Analysis & Mining: Clustering, Trend Analysis (Google Trends API/Pytrends), Classification, Text Mining
- Visualization & Reporting: Tableau, Power BI, Excel, Google Sheets, ggplot (R), Genially, Figma, LucidChart
- Tools & Environments: Codio, Visual Studio, Eclipse, Jupyter Notebook, Colab, MS Office, MS Power Platform, Google Workspace, PyCharm, VS Code, App Script
- Project Management: SDLC | Agile (Scrum) | Waterfall

Professional Experience

Data Research Analyst | Data Solution and Process Automation Engineer   Oct 2024 - Present
Cooledtured Collection | Remote

- Developed and implemented automated data processing pipelines and research tools, increasing data accuracy and reducing manual workload by 40%.

Cantonese VRI Medical Interpreter
AMN Health Care/Stratus Video   01/2022 - Present
LanguageLine Solutions   01/2020 – 01/2022

- Utilized advanced language access platforms to interpret complex medical information in real-time, supporting accurate communication and data documentation across telehealth systems.

Customer Specialist & Data Entry
New Wave Nail Supply Manufacturer   04/2019 – 9/2021

- Managed high-volume customer data and order processing, applying data validation techniques to improve accuracy and support inventory and sales reporting systems.

Projects - https://kalee914.github.io/#projects

- Competition Analysis: Conducted in-depth competitor research to identify key strategies, providing actionable insights to enhance consumer engagement and brand presence.
- Social Media Content Analysis: Evaluated Instagram content performance to uncover patterns in audience interaction, leading to data-driven recommendations for improving engagement.
- Data Team Optimization Strategy: Developed standardized deliverable guidelines and implemented tailored training resources, enhancing team productivity and ensuring project consistency.
- Bottleneck Analysis & Solution Implementation: Identified process inefficiencies within the content creation team and implemented workflow improvements to reduce delays and increase operational efficiency.
- Automated Content ELT Pipeline: Built and deployed an automated ETL pipeline to streamline data extraction, transformation, and loading, improving data accessibility for analysis.
- Forms Tracker Project: Designed and developed a centralized tracking system for monitoring form submissions, ensuring accurate reporting and streamlined data management.
- RecruitmentFlow Automation: Developed a hybrid automation module to optimize recruitment workflows, increasing operational efficiency while maintaining flexibility.

Management Experience

Lead Preschool Teacher
Little Earth Shepherds Preschool   01/2015 – 06 /2018

- Directed daily classroom activities and managed lesson planning; collected and tracked student progress data to support individualized learning and optimize curriculum effectiveness.

Third-party claim analyst
TNS Collision Center   05/2010 – 05/2012
- Analyzed insurance claims and cross-referenced repair estimates with policy data, contributing to faster claim resolutions and improved data integrity across systems.

Salon Manager
Top Top Empress   01/2000 – 07/2008
- Led daily operations and implemented scheduling and inventory tracking systems, enhancing efficiency and enabling data-driven decision-making for staffing and product orders.

Soft Skills

Active Listening | Critical & Analytical Thinking | Problem Solving | Collaboration | Communication | Creativity | Decision-Making | Leadership | Teamwork | Time Management

Education

Southern New Hampshire University   Mar 2025
Bachelor of Science in Computer Science

Coursera Certificates

Google Data Analytics Professional Certificate   Oct 2024
Google UX Design   Jan 2025
IBM Data Engineering & IBM Full-Stack JavaScript Developer   (In Progress)