
KATHERINE O'HALLORAN

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PROFESSIONAL SUMMARY

Software developer (3+ years' experience) with background in financial risk management. Excellent attention to detail, interpersonal, and execution abilities.

SKILLS

- | | | |
|-------------------------|----------------------------|------------------------------|
| • Python (Intermediate) | • HTML (Intermediate) | • GitHub |
| • C# (Novice) | • CSS (Intermediate) | • Agile Methods |
| • JavaScript (Novice) | • SQL (Expert) | • Working Capital Management |
| • Java (Intermediate) | • Eclipse/IntelliJ/PyCharm | • Power BI |

WORK HISTORY

Senior Business Systems Analyst (equivalent to Software Engineer II), 05/2018 to Current

Ecolab – Saint Paul, MN

- Utilize Python, SQL, and Java in developing applications for Internal Audit group, leveraging self-developed financial script library to generate financial risk indicator information for both high level corporate risk review and executable audit approach
- Leader in automating analysis for global businesses, providing and supporting implementation of business solutions by identifying business needs and carrying out necessary processes with applicable tools. Notable projects include identifying drivers of cash hemorrhaging Nalco water customer and automating raw material analysis for Greater China procurement by developing Power BI data models and training on local team to ensure a sustainable solution
- Performed region-wide analysis of Latin America's JDE financial data, directly querying data from AS400 server and structuring into internal data base. Developed in-house financial script library with Python/SQL, automating the analysis to provide key KPIs to management
- Responsible for leading data-driven in-house internal risk assessment, automating HFM global data pulls with Python's NumPy, Pandas and SciPy to automate key performance indicators for 148 global entities

Auditor II (equivalent to Software Engineer I), 02/2017 to 04/2018

Ecolab – Saint Paul, Minnesota

- Developed internal Visual Basics program for annual corporate risk assessments, consolidating, combining, and summarizing over 500 text survey response files
- Utilized SQL and Data Analysis Expressions (DAX) in performing special investigations for internal risk department, validating compliance hotline claims across the globe
- Led financial audits across Asia Pacific, Europe, and North America; clearly documenting complex processes for major chemical, oil, water and healthcare businesses

Financial Analyst, 03/2014 to 02/2017

Cray Inc. – Saint Paul, Minnesota

- Sole analyst responsible for company-wide Customer Service P&L, managing 25% of the company's total margin (\$200M in revenue and \$120M in cost) across Asia-Pacific, European, Japanese and domestic geographies
- Collaborated with business partners in providing midyear financial reviews/budgets; presented financial analysis portion of 2016 midyear review to CEO, CFO, and other corporate executives

- Utilized Microsoft Visual Basic, Power Query, and Power Pivot for data modeling to eliminate redundant tasks and improve processes

EDUCATION

Bloc Web Development Bootcamp

BBA: Accounting and Finance, 12/2015

University of Wisconsin - Eau Claire - Eau Claire, WI

CERTIFICATIONS

- Python Data Analysis (Codecademy)
- Java Programming (Hands on Technical Training)
- Java Web Frameworks (Hands on Technical Training)