

## Professional Summary

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“People do the best they can with the information they have – My goal is to give them the best information.”

Software Engineer and Data Management professional with 5 years’ experience in data analytics, team collaboration, and requirements gathering. Undergraduate degrees in Management Information Systems (2019) and Data Science (exp. 2025). Proven record of creating technical solutions in collaboration with stakeholders to meet their needs.

## Skills and Competencies

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**Data Analysis** – Experienced with several libraries in Python and R including: matplotlib, seaborn, plotly, ggplot, dplyr, pandas, numpy, pydantic, sqlalchemy. nltk

**Data Visualization** - Experienced in Tableau and Power BI, Jupyter Notebook and Rstudio. Knowledge of frontend JavaScript frameworks including D3.js, plotly.js, and Leaflet.js.

**Data Management** – Proficient with Microsoft SQL Server and PostgreSQL. Airflow for data pipelines. NoSQL models in MongoDB and Neo4j.

**Programming** – Proficient in Python and JavaScript. Competent in R, Java, C#, VBA, and PHP.

**Cloud Environments** – Azure Cloud and Azure DevOps. Well versed in Linux and Docker.

## Experience

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### Software Engineer | *MyTableTopList* | Vancouver, WA | Mar 2023 – Present

Responsibilities –

- Created a platform for cataloging online TTRPG video and audio content with connected data.
- Orchestrated a data pipeline in Apache Airflow to update data and record YouTube trends from creators.
- Developed a REST API in Python using open source libraries FastAPI, SQLAlchemy, and Pydantic.
- Designed a web-based frontend using Python and Flask.
- Built CICD Pipelines using Azure DevOps to automate build, unit tests in pytest, and deployment to Azure App Services.

### Business Data Analyst | *Rexel/Platt* | Beaverton, OR | Sep 2021 – Mar 2023

Responsibilities –

- Modeled and documented data sources, data architecture, and Extract-Transform-Load processes.
- Created and updated dashboards and reports in Power BI, SQL Server Reporting Services, and Excel.
- Maintained data pipelines using SQL Server Integration Services for business applications and reporting.

Key Projects –

- Worked with IT department leaders to define Key Performance Indicators to illustrate status and value to Business Leaders. Created Power BI dashboard and SQL Stored Procedures based on feedback and analysis.
- Documented data integration process for new business acquisitions to guide future application integrations.
- Developed processes to investigate data lineage between Business Web Applications and Data Pipelines, including Python code to analyze data connections between SQL stored procedures and C# API's.

## Experience Continued

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### **Business Systems Analyst | *The Standard* | Portland, OR | May 2020 – Apr 2021**

#### Responsibilities –

- Lead project meetings to clarify insurance policy requirements, validate user tests, and manage changes.
- Configured user interface with XML and Rich Text templates based on stakeholder requirements.
- Maintained project status and documentation in Jira, Confluence, and Sharepoint.

#### Key Projects –

- Updated the Short-Term Disability claims writing system at the height of the COVID-19 Pandemic improving the speed at which new insurance claims could be processed.

### **Data Analytics Teaching Assistant | *University of Oregon via 2U* | Portland, OR | May 2019 – Dec 2020**

#### Responsibilities –

- Guided students in designing dashboards in Tableau and data visualizations using Python, JavaScript, and SQL.
- Taught how to utilize open-source libraries including D3.js, Leaflet.js, Seaborn, Matplotlib, Pandas, Bootstrap, etc.
- Explained the fundamentals of ETL, Machine Learning, and Big Data.
- Helped students manage projects with Git for version control and GitHub to build an online portfolio.

### **Technology Analyst | *TEC Equipment* | Portland, OR | May 2019 – Dec 2019**

#### Responsibilities –

- Interviewed business leaders to understand business processes in functional and technical detail.
- Conducted root cause analysis behind technical issues and calculated financial impacts.
- Developed new business processes according to stakeholder requirements.

#### Key Projects –

- Analyzed revenue impact from lost productive hours in 23 service departments to cost the organization \$3 million due to technical issues. This justified investments in wireless network infrastructure in all locations.
- Developed a job scheduling dashboard for Service Departments. Programmed in PHP and JavaScript utilizing MySQL database. Deployed on WordPress intranet.

## Education

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### **Bachelor of Science in Data Science | *Arizona State University – Online* | Expected 2025**

Major Focus: Business Analytics Track

Relevant Coursework: *Data Analysis in R and Python, Linear Algebra, Object Oriented Programming, Data Ethics*

### **Bachelor of Arts in Business Administration | *Washington State University – Vancouver, WA* | May 2019**

Major: Management Information Systems | Minor: Digital Technology and Culture

Relevant Coursework: *Information Systems Analysis, Ecommerce Management, Business Applications, Data Management*

### **Associate in Arts and Sciences | *Columbia Basin College – Pasco, WA* | May 2011**