

Ryan Anderson

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SKILLS

AWS, Azure, Python, JavaScript/TypeScript, SQL, Node.js, React, Docker, MongoDB, HuggingFace Fine Tuning

EMPLOYMENT HISTORY

AI DATA SCIENTIST

Resolution Life US | Philadelphia, PA

Mar 2024 – Sep 2024

- Analyzed data to improve processes, boosting efficiency and decision-making.
- Developed predictive models to forecast customer trends, enhancing strategic planning.
- Resolved data anomalies, ensuring accuracy and reliability in analytics.
- Designed AWS-based systems for improved data integration and predictive analysis.

DEVOPS ENGINEER

Softchoice | Philadelphia, PA

Mar 2023 – Sep 2023

- Managed CI/CD processes to enhance cloud performance, achieving measurable efficiency improvements.
- Collaborated with agile teams to optimize system performance, resulting in significant client satisfaction.
- Scoped and configured customer projects with Solution Architects, ensuring seamless cloud integration.
- Advanced full-stack development skills through hands-on use of Azure and AWS technologies.

SYSTEM/DEVELOPMENT SUPPORT ADMIN

SwiftShift | Philadelphia, PA

Mar 2022 – Oct 2022

- Developed JavaScript applications, enhancing system performance and reliability.
- Collaborated with small agile teams, delivering innovative cloud solutions.
- Provided IT support, improving customer satisfaction and response times.
- Analyzed requirements with cross-functional teams, optimizing product functionality.

EDUCATION

BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING, Minor in Finance

Sep 2020 – Aug 2025

Drexel University | College of Computing and Informatics

- Relevant Coursework: Web Development, Artificial Intelligence, Reinforcement Learning, Software Architecture I & II, Software Design I & II, Discrete Mathematics, Calculus I - III

RELEVANT PROJECTS

VIRTUAL ECONIMIST AI CHATBOT

Federal Reserve Bank of Philadelphia | Philadelphia, PA

Aug 2024 – Jun 2025

- Designed and deployed a Retrieval-Augmented Generation (RAG) chatbot using AWS Glue, OpenSearch, and Together AI to deliver real-time, LLM-driven answers to economic questions based on embedded historical data.
- Built scalable data pipelines for automated ingestion, preprocessing, and vector embedding of economic datasets; implemented custom chunking logic and OpenSearch similarity search for high-recall document retrieval.

SENTIMENT ANALYSIS MACHINE LEARNING PROJECT

Resolution Life US | Philadelphia, PA

Mar 2024 – Sep 2024

- Trained a machine learning model to analyze sentiment in news headlines for portfolio companies and correlated sentiment trends with stock price movements.
- Leveraged Python and AWS services to preprocess data, train the model, and visualize findings, enabling strategic investment insights.

OBJECT-ORIENTED & TEST-DRIVEN DEVELOPMENT BANKING SOFTWARE

Sep 2023 – Dec 2023

Drexel University | Philadelphia, PA

- Constructed a banking system in JavaScript based on Object-Oriented Programming principles.
- Emphasized Test-Driven Development, ensuring a reliable and error-resistant system.

MERN STACK FULL STACK STATEMENT OF WORK EDITOR

Jun 2023 – Sep 2023

Softchoice | Philadelphia, PA

- Independently developed a SOW editor using the MERN stack, introducing a CPQ calculator to drastically reduce project cost estimation time.
- Established a user-oriented backend system with role-specific features and permissions.