Andrea Wise

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Location: North Nicholasville

Summary

Detail-oriented and passionate programmer with a strong foundation in data science and database management. Proficient in PostgreSQL, MySQL, and Redis, with advanced skills in DevOps and data analytics. Committed to delivering high-quality solutions and optimizing system performance. Eager to leverage my skills to contribute to innovative projects in a collaborative environment.

Experience

Data Engineer

Tech Innovations Inc. - Lexington, KY

January 2022 - Present

- Developed and maintained a **Machine Learning Pipeline** that improved data processing speed by 40%, resulting in faster insights for data-driven decisions. - Collaborated with cross-functional teams to design and implement data warehousing solutions, utilizing PostgreSQL and Redis for efficient data retrieval. - Automated data processing tasks using AWS services, reducing manual workload by 30% and increasing overall productivity.

Database Administrator

E-commerce Solutions LLC - Richmond, KY

June 2019 - December 2021

- Managed and optimized a MySQL database for an e-commerce platform, achieving a 99.9% uptime and improving query performance by over 50%. - Implemented

backup and recovery strategies that ensured data integrity and reduced downtime during system failures. - Assisted in the transition of legacy systems to cloud-based solutions on AWS, contributing to a 25% cost reduction in infrastructure.

Skills

- **PostgreSQL:** Advanced
- **MySQL:** Advanced
- **Redis:** Advanced
- **Data Science:** Advanced
- **DevOps:** Advanced
- **AWS:** Intermediate
- **Django:** Beginner

Projects

Machine Learning Pipeline

- **Description:** Designed a robust machine learning pipeline to automate data collection, preprocessing, and model deployment.
- **Technologies:** Python, PostgreSQL, AWS Lambda.
- **Achievements:** Reduced model training time by 50% and increased prediction accuracy by 15%.

E-commerce Platform

- **Description:** Led the development of an e-commerce platform, focusing on backend optimization and database management.
- **Technologies:** MySQL, AWS EC2, Redis.
- **Achievements:** Facilitated a 30% increase in user engagement through enhanced site performance and streamlined checkout processes.

Education

Bachelor of Science in Computer Science

University of Kentucky - Lexington, KY
Graduated: May 2019
- Relevant Coursework: Database Management, Machine Learning, Cloud Computing, Web Development.

Certifications

- **AWS Certified Solutions Architect – Associate**
- **Data Science Professional Certificate** - Coursera

Additional Information

- Passionate about continuous learning and regularly attending workshops and seminars on the latest technologies in data science and cloud computing.
- Active contributor to open-source projects related to data analytics and web development.