Ashok K C

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SUMMARY

Data-focused IT professional with a strong foundation in full-stack development, database management, and cloud computing. Proven expertise in optimizing SQL databases, building robust data solutions, and implementing automation to improve data accuracy and retrieval. Leveraging hands-on experience from web development and cloud research, this candidate is well-equipped to design, develop, and troubleshoot data pipelines in fast-paced, collaborative environments.

EDUCATION

Northern Kentucky University — **Aug 2021 - May 2025**
Bachelor of Science, Information Technology, Minor in Information System and Information Security

EXPERIENCE

Fidelity Investment — **Oct 2024 - Present**
Associate Salesforce Administrator Analyst — *Covington, KY*
- Administered user roles, profiles, and permission sets to ensure data security compliance for over 2000+ users, paralleling robust data governance and access control principles.
- Managed Salesforce configurations, workflows, and automation to streamline data entry and enhance data accuracy, reflecting a focus on building reliable data processes.
- Troubleshot technical issues and provided comprehensive user training on Salesforce features, demonstrating a problem-solving approach akin to resolving data pipeline issues.

Cloud Computing — **Aug 2024 - Dec 2024**
Teaching Assistant — *Highland Heights, KY*
- Supported the delivery of course content on cloud computing principles and tools, emphasizing concepts such as distributed systems and data processing relevant to modern data architectures.
- Evaluated assignments and projects with detailed feedback, fostering an understanding of technical and analytical skills that align with designing and analyzing automated data systems.

Kentucky Center for Mathematics — **Mar 2022 - Mar 2023**
Full-Stack Web Developer — *Highland Heights, KY*
- Designed and developed multiple interactive events on KCM's official website, enhancing user engagement and providing valuable resources to the mathematics education community.
- Spearheaded the creation, management, and maintenance of the center's database, optimizing data retrieval and storage processes. Implemented robust security measures to protect sensitive information.
- Offered IT support to staff and users, promptly resolving technical issues and inquiries. Leveraged expertise in PHP, HTML, CSS, JavaScript, Bootstrap, and SQL to improve and streamline the online software used for mathematics education.

Optimizing Multi-Cloud Performance — **May 2023 - Aug 2023**
Research Assistant — *Highland Heights, KY*
- Conducted in-depth literature reviews to identify trends and gaps in cloud computing research, contributing valuable insights to the development of research proposals and project directions.
- Assisted in designing and executing experiments to evaluate the performance and scalability of cloud-based applications, utilizing AWS, Azure, Google Cloud, and OpenStack for setting up and managing cloud environments.

PROJECTS

Cloud-Optimized Application Deployment — **Dec 2023**
- Deploying applications to Amazon ECS (Elastic Container Service) utilizing EC2, Docker, ECR (Elastic Container Registry), and Faregate.
- Configuring Load Balancers and harnessing AWS services to amplify scalability, reliability, and manageability.

Doc Viewer — **May 2023**
- DocView is a comprehensive script designed to address security concerns within an organization's network by monitoring and responding to file modifications caused by malicious activities.
- Developed the Spring 2023 CIT 383 Scripting course, DocView aims to empower system administrator interns with tools to identify compromised files, notify relevant personnel, and take necessary actions to secure sensitive data.

TECHNICAL SKILLS

- **Languages**: Python, Java, JavaScript, MYSQL, C/C++, PHP, HTML, CSS, Bootstrap, Angular, Tableau, Oracle Database
- **Frameworks**: React, Node.js, JUnit, WordPress, FastAPI
- **Developer Tools**: Git, Docker, TravisCI, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Salesforce