Ashok K C

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SUMMARY

A strong foundation in software design, debugging, and system integration, aligning technical solutions with business needs to drive innovation and efficiency. IT professional with robust expertise in cloud computing, database administration, and secure data process optimization. Proficient in automating data pipelines and enhancing SQL database accuracy in AWS and Google Cloud environments.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, MYSQL, Oracle SQL, R, C/C++, HTML, CSS, Bootstrap, Angular
Frameworks: React, Node.js, JUnit, WordPress, FastAPI, CI/ CD, Snowflake, Hadoop, Hive, Spark, Kafka, ETL Pipelines, Apache Airflow
Developer Tools: Git, Docker, AWS, Azure, VS Code, Visual Studio, PyCharm, WI Salesforce, Data Bricks, Tableau

EDUCATION

Northern Kentucky University — Aug. 2021 – May 2025
Bachelor of Science in Information Technology, Minor in Information System and Information Security — *GPA: 3.82*

EXPERIENCE

Fidelity Investment — October 2024 – Present
Associate Salesforce Administrator Analyst — *Covington, KY*
- Managed Salesforce configurations, workflows, and automation to streamline data entry and enhance data accuracy, applying system integration techniques and testing practices to build reliable data processes
- Diagnosed technical issues and provided comprehensive user training on Salesforce features, utilizing debugging skills and collaborative problem-solving to simulate data pipeline troubleshooting
- Administered user roles, profiles, and permission sets for over 2000+ users, ensuring data security compliance and reinforcing data governance processes in line with software design principles.

Cloud Computing — August 2024 – December 2024
Teaching Assistant — *Highland Heights, KY*
- Assisted the professor in delivering course content on cloud computing principles, platforms, and tools, enhancing student comprehension, engagement, Provided one-on-one guidance and troubleshooting for students.
- Graded assignments, projects, and exams, offering detailed feedback to support student growth and understanding.

Kentucky Center for Mathematics(KCM) — March 2022 – March 2023
Full-Stack Web Developer — *Highland Heights, KY*
- Led database development and optimization, improving data retrieval and security. Implemented robust security measures to protect sensitive information.
- Built interactive web features to enhance user engagement and support math education.
- Provided IT support and improved internal tools using PHP, HTML, CSS, JavaScript, Bootstrap, and SQL.

Optimizing Multi-Cloud Performance for Scalable Applications — May 2023 – August 2023
Research — *Highland Heights, KY*
- Designed and executed performance experiments across AWS, Azure, GCP, and OpenStack to evaluate scalability of cloud-based applications.
- Conducted literature reviews to identify trends and gaps in cloud computing, contributing to research proposals and strategic direction.

PROJECTS

Automated Data Transformation Pipeline – AWS | *Lambda, Amazon Glue and Cloud Watch* — September 2025
- Built a serverless AWS pipeline using S3, Lambda, IAM, and Glue to automatically convert .json files to .csv, triggered by file uploads to a source bucket.
- Developed Glue ETL scripts and configured IAM roles and CloudWatch integration to ensure secure, efficient, and near real-time data transformation.

Doc Viewer | *Scripting, Python, Linux* — 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.

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02) | Azure Data Fundamentals (DP-900)