

Clara Lynch

Gen AI Data Ingestion Pipeline Engineer

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SUMMARY

Excited about opportunities to build data ingestion pipelines for AI applications. Over 5 years' experience developing and maintaining efficient data workflows using Python and AWS services. Passionate about applying cloud technologies like Lambda and Step Functions during implementation. A strong advocate for agile practices, allowing teams to innovate rapidly while deploying updates safely. Collaborated extensively with cross-functional teams to create generic Gen AI patterns that accommodate diverse use cases. Committed to ensuring seamless deployments through effective CI/CD processes. Ready to contribute fresh perspectives and solutions.

EXPERIENCE

Senior Data Engineer

Tech Innovations Inc. 📅 January 2023 - Present 📍 Naperville, IL

Craft data ingestion solutions centered around machine learning operations within a cloud infrastructure setting. Lead the design initiatives for various data pipelines, emphasizing scalability and performance improvements. Embrace CI/CD methodologies for seamless deployment of data engineering projects and enhance workflows across teams.

- Develop scalable data ingestion pipelines tailored for diverse AI applications utilizing AWS resources.
- Implement robust CI/CD frameworks with Jenkins and Terraform for efficient model deployment.
- Collaborate proactively with data scientists, integrating new data sources and enhancing performance metrics.
- Guide teams through innovation procedures, instilling best practices in development cycles.

Data Engineer

Data Solutions Group 📅 June 2020 - December 2022 📍 Peoria, IL

Focused on creating efficient data pipelines capable of processing and managing large datasets. This role demanded agility and collaboration across multidisciplinary teams and influenced by evolving mandates in AWS solutions and machine learning frameworks.

- Designed and deployed effective data handling systems leveraging Python alongside AWS tools such as Lambda.
- Conducted implementations using Jenkins for optimal CI/CD, ensuring high-quality software delivery.
- Enhanced LLM orchestration activities, significantly bolstering natural language processing capabilities.
- Facilitated collaborations leading to innovative pipeline solutions across management departments.

Junior Data Engineer

Innovative Data Services 📅 May 2019 - May 2020 📍 Champaign, IL

Gained foundational experience in constructing and executing data pipelines essential for diverse AI-focused projects. Provided vital support to senior engineers, gaining insight into AWS cloud functions and overall project dynamics.

- Assisted in developing formalized data ingestion solutions catering to complex machine-learning needs.
- Contributed significantly to team efforts focused on improving process efficiency in data workflows.
- Participated in deployment techniques leveraging industry-standard protocols in AWS technology.
- Promoted frequent feedback rounds contributing to continuous improvement in internal practices.

LEADERSHIP & AWARDS

- AWS Certified Data Analytics – Specialty (2021)
- Certified Kubernetes Administrator (2022)

EDUCATION

Bachelor's Degree in Computer Science

University of Illinois Urbana-Champaign 🎓 GPA: 3.8 📅 2019 📍 Champaign, IL

Coursework: Data Structures, Algorithms, Database Management, Software Engineering

CERTIFICATIONS

- AWS Certified Data Analytics – Specialty 📅 2021
- Certified Kubernetes Administrator 📅 2022

TECHNICAL SKILLS

- **Programming Languages:** Python, Java

- **AWS Services:** Lambda, S3, EC2
- **CI/CD Tools:** Jenkins, CircleCI
- **Containerization Tools:** Docker, Kubernetes
- **Database Technologies:** MySQL, MongoDB, PostgreSQL
- **ML Frameworks:** TensorFlow, PyTorch
- **Development Platforms:** Linux, Windows
- **Version Control Systems:** Git, SVN
- **Agile Methodologies:** Scrum, Kanban
- **Orchestration Frameworks:** Airflow, Langchain

SKILLS

- Python
- Data Pipeline Development
- CI/CD Processes
- DevOps Practices
- AWS
- MLOPS
- Machine Learning
- Project Management
- Jenkins
- NLP
- Data Engineering
- Version Control
- Terraform
- Deep Learning
- Artificial Intelligence
- Software Development Life Cycle

PROFESSIONAL AFFILIATIONS

- Member of the Data Science Society, promoting collaborative knowledge sharing among leaders in AI research.
- Active participant in Tech Meetups aimed at fostering advancements in data engineering methodologies.

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST