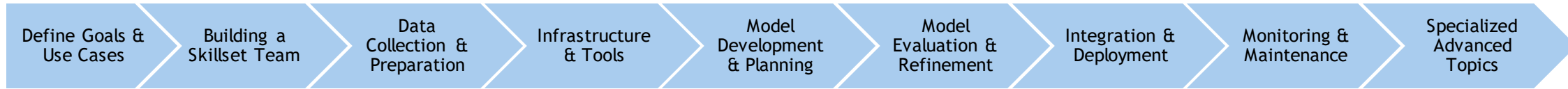




AI/ML Upskilling Journeys For Your Staff



Data Scientist

ML Engineer

Software Engineer

Defining & Scoping Data Science Projects

Topics Include: translate business problems to data science tasks, scoping the project, data flow, creating and executing project plan

Data Science Job Roles

Topics Include: understanding of the Data Scientist, Data Engineer, Machine Learning Engineer, Data Analyst, AI Engineer and DevOps and Architect roles in data related work

Data Engineering, ETL & DataOps

Topics Include: Apache Spark, Pandas, Seaborn, DataOps pipelines and environment management

Applied Data Science & Practical Machine Learning (Data Scientist-specific customization)

Topics Include: data science life cycle, SageMaker, training/evaluating/deploying ML models, AWS AutoML and auto-sklearn environment, H2O, neural networks and deep learning

Data Science using Python

Topics Include: Jupyter Notebook, NumPy, Pandas and Data Visualization in Python, data repairing/normalizing/splitting, scikit-learn, Random Forest and The k-Means Algorithm

Neural Networks

Topics Include: Machine Learning, Model, Feature Engineering, Tensorflow and Keras, Best Practices and Natural Language Processing (NLP)

API Management Fundamentals

Topics Include: Mule Soft Anypoint Studio, Monolith vs Microservices Design, AWS API Gateway, Azure API management

Defining Acceptance Criteria for ML

Topics Include: machine learning for product managers, defining business objectives, prioritizing requirements in machine learning projects, best practices

Tools for Monitoring AI/ML

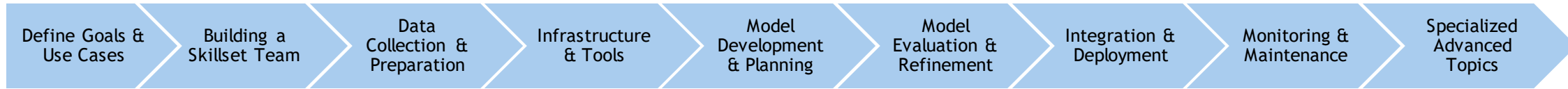
Topics Include: Key Metrics, Monitoring for quality and security, model drift, regulations


Generative AI Engineering

Topics Include: LLM's, fine tuning LLM's, integrating LLM in software and data engineering tools, chatbot, case studies and real-world applications



AI/ML Upskilling Journeys For Your Staff



 **Data Engineer**

 **DevOps & Architect**

 **Analyst**

 **Manager**

Defining & Scoping Data Science Projects

Topics Include: translate business problems to data science tasks, scoping the project, data flow, creating and executing project plan

Data Science Job Roles

Topics Include: understanding of the Data Scientist, Data Engineer, Machine Learning Engineer, Data Analyst, AI Engineer and DevOps and Architect roles in data related work

Data Engineering, ETL & DataOps

Topics Include: Apache Spark, Pandas, Seaborn, pipelines and environment management

Tableau/ Power BI & DataOps

Applied Data Science & Practical Machine Learning (Data Scientist-specific customization)

Topics Include: data science life cycle, SageMaker, training/evaluating/deploying ML models, AWS AutoML and auto-sklearn environment, H2O, neural networks and deep learning

Seminar on DS/ML Trends

Topics Include: evolution of data science, ML, major trends, case studies, current R&D and upcoming developments

Data Science using Python

Topics Include: NumPy, Pandas & Seaborn, data repairing/normalizing, scikit-learn algorithm

Defining Acceptance Criteria for ML

Topics Include: machine learning for product managers, defining business objectives, prioritizing requirements in machine learning projects, best practices

Leading AI/ML Projects

Topics Include: project lifecycle, tools & technologies, case studies

Tools for Monitoring AI/ML

Topics Include: key metrics, monitoring for quality and security, model drift, regulations

Prompt Engineering: Techniques & Best Practices

Topics Include: AI Language models and prompt engineering, restricting answers to your document corpus, generating data and images, language translation