Learning Paths

Blockchain for Developers

🔖 **Badges:** 2   📖 **Courses:** 3

Take this series of courses to go from blockchain basics to developing IoT supply chain applications for blockchain business networks.

View

Lightbend Reactive Architecture: Advanced

🔖 **Badges:** 2   📖 **Courses:** 3

Distributed systems built on Reactive Microservices introduce new challenges and require new tools to meet those challenges. The Lightbend Reactive Architecture: Advanced learning path teaches managers, developers, and architects new techniques to help cope with the realities of distributed architectures. You will learn how the Lightbend Reactive Platform can be used to build the distributed systems of tomorrow.

View

Containers, microservices, Kubernetes, and Istio on the Cloud

🔖 **Badges:** 3   📖 **Courses:** 3

After completing this learning path, you'll understand 12-factor apps and how microservices are managed with the IBM Cloud Kubernetes Service and Istio. You'll get hands-on experience working with containers, Kubernetes, and how to deploy containerized apps. You'll learn how to deploy microservices in a cluster and how to connect, manage, and secure those microservices.

View

Big Data with IBM

🔖 **Badges:** 4   📖 **Courses:** 5

Learn how to manage Big Data and get insight from it with IBM's Big Data tools. You will learn how to store, mange and access data using technologies such as Hadoop and Spark as implemented by the IBM BigInsights product.

View

Applied Data Science with Python

🔖 **Badges:** 2   📖 **Courses:** 3

Learn how to code in Python for data science, then analyze and visualize data with Python with packages like scikit-learn, matplotlib and bokeh. This is an action-packed learning path for data science enthusiasts and aspiring data scientists who want to learn data science hands-on with Python.

View

Applied Data Science with R

🔖 **Badges:** 1   📖 **Courses:** 3

Through our guided lectures and labs, you'll get hands-on experience tackling interesting data problems. This is an action-packed learning path for data science enthusiasts who want to learn about data analysis, accessing databases with R, and visualization.

View

Lightbend Reactive Architecture: Foundations

🔖 **Badges:** 2   📖 **Courses:** 3

Designing cloud-native systems and microservices requires architects and teams to think differently. The Lightbend Reactive Architecture learning path teaches development managers, architects, and software developers - how to think about Reactive Systems from design through to production.

View

Deep Learning

🔖 **Badges:** 1   📖 **Courses:** 3

Through our guided lectures and labs, you'll first learn Neural Networks, and an overview of Deep Learning, then get hands-on experience using TensorFlow library to apply deep learning on different data types to solve real world problems.

View

Text Analytics

🔖 **Badges:** 2   📖 **Courses:** 2

Most of the world's data is not stored in neat rows and columns, but is hidden in plain text. This learning path will teach you about Information Extraction: how to automatically extract structured information from plain text such that it can be processed by machines. You will also learn how to tackle Information Extraction using a tool called SystemT.

View

Data Science Foundations

🔖 **Badges:** 2   📖 **Courses:** 3

When a butterfly flaps its wings what happens? Does it fly away and move on to another flower or is there a spike in the rotation of wind turbines in the British Isles. Learn data science today and enter a world where we work to create order out of chaos that will blow you away!

View

Big Data Fundamentals

🔖 **Badges:** 4   📖 **Courses:** 3

Are you interested in understanding 'Big Data' beyond the terms used in headlines? Then select this learning

Are you interested in understanding 'Big Data' beyond the terms used in headlines? Then select this learning path as an introduction to tools like Apache Hadoop and Apache Spark Frameworks, which enable data to be analyzed on mass, and start the journey towards your headline discovery.
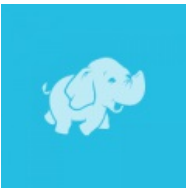
View

Scala Programming for Data Science

🔖 **Badges:** 2   📖 **Courses:** 3

To light a fire, do you use a match, a lighter, or a torch? Depends on the size of the fire, much like the decisions that lead one to use Python, R, or Scala. Spark your interest in selecting the tools you need to tackle Big Data with ease, that will not just blow out.

View

Hadoop Fundamentals

🔖 **Badges:** 5   📖 **Courses:** 4

Are you interested in moving beyond the elephant in the room and understanding Hadoop as a foundational tool set in your future? Then select this learning path to gain exposure to the tools used in Big Data, Hadoop's core components and supporting open source projects.

View

Spark Fundamentals

🔖 **Badges:** 2   📖 **Courses:** 5

Solid understanding and experience, with core tools, in any field promotes excellence and innovation. Apache Spark, as a general engine for large scale data processing, is such a tool within the big data realm. This learning path addresses the fundamentals of this program's design and its application in the everyday.

View

Data Science for Business

🔖 **Badges:** 2   📖 **Courses:** 3

If a trend is identified using big data, how can it be applied to solving complex day-to-day problems? Are there implications of using this data? This learning path addresses the principles of data science to explore data privacy, regression analysis, text analytics, data visualization and predictive modeling to promote topical awareness.

View

Big Data Analytics (Archived)

🔖 **Badges:** 2   📖 **Courses:** 2

Is the thought of writing code limiting your interest to visualize and analyzing big data efficiently? If so, the Big Data Analytics learning path offers a foundation of both methods and tools to go beyond coding and equip you to achieve the results you require using Big Data.

View

Hadoop Programming

🔖 **Badges:** 2   📖 **Courses:** 3

Ever wonder how to program a pig and an elephant to work together? Start with dedication, a couple of tricks up your sleeve, and instructions that the beasts understand. This learning path is dedicated to address these programming requirements by filtering and sorting what you need to know and how you need to convey your message.

View

Hadoop Administration

🔖 **Badges:** 2   📖 **Courses:** 4

So how do you control an elephant? In this context, with your mouse and a bit of patience you can install, configure and administer a Hadoop cluster. Be the envy of Zookeepers, and contribute to open source projects such as Sqoop, Flume, Oozie, and more!

View

Hadoop Data Access

🔖 **Badges:** 2   📖 **Courses:** 3

So you know how to drive (code in SQL) and now you have the keys to your first car (the link to the data set). Ready to drive? Consider this course as the test drive to accessing data in big data systems using Hive, SQL, and HBase. Just don't get stung!

View

Data Management with IBM

🔖 **Badges:** 0   📖 **Courses:** 2

Learn how to store, manipulate, and access your data with IBM's data management tools! This is an action-packed learning path is for data enthusiasts who want practical skills in managing and analyzing data in databases.

View

Cognitive Analytics with IBM

🔖 **Badges:** 2   📖 **Courses:** 5

Learn how to analyze data with IBM's cognitive tools! Today, cognitive data analytics is a must-have feature for most applications that we use every day, such as predicting weather, recommender systems in shopping apps, and fraud detection in credit card tools. If you are interested in learning how data analytics actually works and how it augments human ability, then this learning path is for you.

View