IBM

IBM Digital – Nation Competition

Required Learning

Core Skills Track

#	Course Name	22 hrs	URL
1	Web Development	3	https://developer.ibm.com/africa/skills/introduction-web-application-development/
2	Node.js	4	https://developer.ibm.com/africa/skills/node-js/
3	Cloud Computing	5	https://developer.ibm.com/africa/skills/cloud-computing/
4	Cloud Foundry	5	https://developer.ibm.com/africa/skills/cloud-foundry/
5	Cloud Database	5	https://developer.ibm.com/africa/skills/database-services-cloud/

Specialization Tracks (Choose at least one of these tracks)

1	AI Analyst	23.5 hrs	URL
1.1	AI v2	3.5	https://developer.ibm.com/africa/skills/artificial-intelligence-v2/
1.2	IBM Watson v2	8	https://developer.ibm.com/africa/skills/ibm-watson-v2/
1.3	Natural Language processing	5	https://developer.ibm.com/africa/skills/natural-language-processing-v2/
1.4	Chatbots v2	7	https://developer.ibm.com/africa/skills/chatbots-v2/
2	**Data Scientist**	**27 hrs**	**URL**
2.1	Data Science Fundamentals	2.5	https://developer.ibm.com/africa/skills/data-science-fundamentals/
2.2	Data Understanding and Preparation	10	https://developer.ibm.com/africa/skills/data-understanding-and-preparation/
2.3	Cluster Analysis	5	https://developer.ibm.com/africa/skills/cluster-analysis/
2.4	Classification	7	https://developer.ibm.com/africa/skills/classification-analysis/
2.5	Regression	2.5	https://developer.ibm.com/africa/skills/regression/
3	**Blockchain**	**22 hrs**	**URL**
3.1	Blockchain Fundamentals	2	https://developer.ibm.com/africa/skills/blockchain-fundamentals/
3.2	Hyperledger Composer Foundation	4	https://developer.ibm.com/africa/skills/hyperledger-composer-foundation/
3.3	Hyperledger Fabric Chaincode	3.5	https://developer.ibm.com/africa/skills/hyperledger-fabric-chaincode/
3.4	Hyperledger Fabric Integration	4.5	https://developer.ibm.com/africa/skills/hyperledger-fabric-integration/
3.5	Developing for Blockchain	6	https://developer.ibm.com/africa/skills/developing-for-blockchain/
3.6	Track donations with Blockchain	2	https://developer.ibm.com/africa/skills/innovator-track-donations-with-blockchain/
4	**IoT & Advanced Cloud**	**13 hrs**	**URL**
4.1	Build your First IoT Application: Node-RED: Basics to Bots	4	https://developer.ibm.com/africa/skills/innovator-node-red-basics-to-bots/
4.2	Build a Notification System for your IoT Application	2	https://developer.ibm.com/africa/skills/innovator-build-notification-system-iot-application/
4.3	Create a Smart Home IoT Application	2	https://developer.ibm.com/africa/skills/innovator-create-a-smart-home-iot-application/
4.4	Create a Microservice using IBM Cloud Functions	2.5	https://developer.ibm.com/africa/skills/innovator-create-a-microservice-using-ibm-cloud-functions/
4.5	Deploy your First Application using DevOps	2.5	https://developer.ibm.com/africa/skills/innovator-deploy-your-first-app-using-devops/