This badge was issued to Khaled Jouini on May 27, 2016

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Celebrate

Big Data Developer - Mastery Award for Educators 2016

Issued by IBM

The badge earner has a proven expertise to use a Big Data platform and data governance concepts to efficiently store and manage extremely large amounts of data, using IBM BigInsights. The badge earner has demonstrated advanced proficiency on topics such as Hadoop, Map Reduce, HBase, Big SQL, and BigSheets, in order to capture, store, and analyze structured and unstructured data.

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Months

Skills

Analytics | Application Development | Big Data | Biginsights | BigSheet | Big SQL | Clustered Base Tables | Database | Data Distribution | Hadoop | HBase | HDFS | Hive | IBM GPFS | IBM PDA | IBM Watson Explorer | InfoSphere Streams | MapReduce | Materialized Views | NoSQL | NZLOAD | Optomizer | PureData System | PWID-B0595300 | Query Plans | Schemas | Statistics | Stored Procedures | Text Analytics | Zone Maps

Earning Criteria

- Must be a faculty member of a Higher Education Institution which has or is implementing the IBM Skills Academy Program.
- Completion of Module I - Data Management Overview: Covering Date overview, Industry Applications, Case Studies; Understanding Big Data.
- Completion of Module II - Big Data Foundations: Covering Hadoop Architecture and Administration; Big Data Platform and data governance.
- Completion of Module III - Big Data Developer: Covering Big Data Architecture; Storing and processing data with Hadoop; Creating data using HDFS and GPFS; Data distribution and storage with MapReduce; Hadroop Query Language (Pig, Hive, Jaql);

Distributed storage system with Hbase and NoSQL; Queries using BigSQL; BigSheets analytics tools; Analyze structured and unstructured data with text analytics; Application Development Lifecycle.

Passing the IBM Proctored Exam for "IBM Big Data Developer 2016".

Occupations

Data Engineers
Develop, construct, test and maintain architectures, such as databases and large-scale processing systems.

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Database Architects
Design strategies for enterprise databases, data warehouse systems, and multidimensional networks. Set standards for database operations, programming, query processes, and security. Model, design, and construct large relational databases or data warehouses. Create and optimize data models for warehouse infrastructure and workflow. Integrate new systems with existing warehouse structure and refine system performance and functionality.

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Data Warehousing Specialists
Design, model, or implement corporate data warehousing activities. Program and configure warehouses of database information and provide support to warehouse users.

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Systems Software Developers
Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software

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requirements. May design embedded systems software. Apply principles and techniques of computer science, engineering, and mathematical analysis.

Data Scientists

Develop and implement a set of techniques or analytics applications to transform raw data into meaningful information using data-oriented programming languages and visualization software. Apply data mining, data modeling, natural language processing, and machine learning to extract and analyze information from large structured and unstructured datasets. Visualize, interpret, and report data findings. May create dynamic data reports.

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