This badge was issued to [Yogendra Singh Solanki](#) on 5 July 2019.

Verify

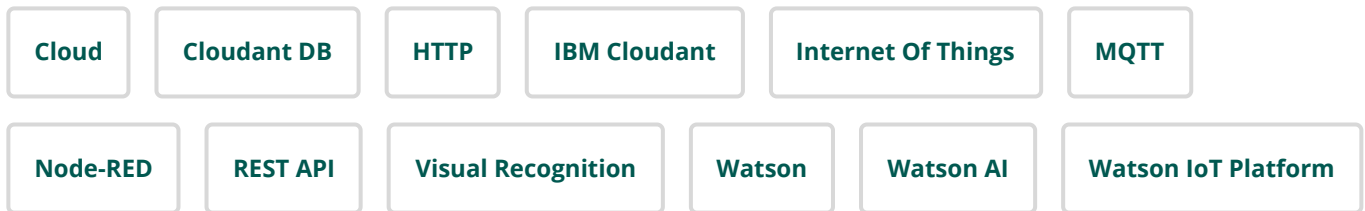# IoT Cloud Developer - Explorer Award 2019

Issued by [IBM](#)

Through an instructor-led classroom, this badge earner has demonstrated the ability to identify, design, and build IoT solutions, using IBM Watson IoT. This individual has demonstrated an understanding of topics such as IoT architecture, IoT Cloud, Node-RED, IoT network protocols, monitoring devices, report statistics, REST APIs, and analytic services.

Type: Validation   **Level:** Intermediate

Time: Months

[Additional Details](#)

Skills

Skills

Cloud	Cloudant DB	HTTP	IBM Cloudant	Internet Of Things	MQTT

Node-RED	REST API	Visual Recognition	Watson	Watson AI	Watson IoT Platform

Earning Criteria

⚇ Must be the following: a student; faculty member from a higher education institution; or IBM Customer, Business Partner or IBM employee. All badge earners must be either attending or are involved in the IBM Skills Academy Program.

▤ Completion of Module I - IoT Overview: Internet of Things introduction; How IoT works;

IBM helps protect endangered Rhinos case study; Jefferson Hospital and Watson IoT case study; Pfizer Taps IBM for Research Collaboration case study.

▤ Completion of Module II - IoT Prerequisites: Getting started with Internet of Things and Node-RED; Introduction to Node-RED; Using Node-RED to create Internet of Things applications; Create a Node-RED flow; Build a web page and create a REST API in Node-RED; Translate text, analyze tone, add audio, and send tweets from your Node-RED application; Create cognitive web pages and a messenger bot; Use Node-RED and GitHub to create a video captioning application.

▤ Completion of Module III -Internet of Things Cloud Developer: Intro to IoT; Feature and characteristics of Watson IoT; Solution development; Reference architecture; Communication protocols; Services and databases on IBM Cloud; Access management; Flow-based programming; Node-RED workspace and components; OSI and the TCP/IP reference models; HTTP and MQTT protocol; REST APIs; Cloudant database service; IBM Analytics Engine and Streaming Analytics; Geospatial Analytics; Object Storage; Cloudant DB.

☑ Passed the IoT Cloud Developer 2019 practice test.

Insights

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