

## 12 Courses

Introduction to Software Engineering

Introduction to HTML, CSS, & JavaScript

Getting Started with Git and GitHub

**JavaScript Programming Essentials** 

Developing Front-End Apps with React

Developing Back-End Apps with Node.js and Express

Get Started with Cloud Native, DevOps, Agile, and NoSQL

Introduction to Containers w/
Docker, Kubernetes & OpenShift

Application Development using Microservices and Serverless

Node.js & MongoDB: Developing Back-end Database Applications

JavaScript Full Stack Capstone Project

Software Developer Career Guide and Interview Preparation



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## Hamza Nadeem Khan

has successfully completed the online, non-credit Professional Certificate

## IBM Full-Stack JavaScript Developer

Holders of this certificate showed their ability to build cloud-native full-stack applications using JavaScript. They are prepared to take on the challenges of an entry-level full-stack developer role. Learners can build, deploy, test, run, and manage full-stack applications. They can utilize the tools, technologies, and methodologies used by full-stack developers including HTML, CSS, JavaScript, Git, GitHub, React, Node.js, Express, DevOps, Agile, CI/CD, NoSQL databases, Containers, Docker, Kubernetes, OpenShift, Microservices, and Serverless computing.

Rav Singh Ahuja Global Program Director

IBM Skills Network

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

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