

# Writing Beautiful RESTful APIs

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## Overview



## Overview

- What is a RESTful API?
- Why is this important?
- What will I learn in this course?
- What should I know before beginning the course?
- About me



## What is a RESTful API?

- An application programming interface (API), is a set of clearly defined definitions for building software
- Representational state transfer (REST) is a way of communicating across computer systems on the internet
- A RESTful API is the marriage of the two concepts
- They use a predefined set of operations that allow for access and manipulation of representations of resources
- Operations like accessing an account, placing an order, or enrolling in a rewards program may all be facilitated through a RESTful API.



## Why is this important?

- This course defines commonly used principals for development of RESTful APIs
- Developers will benefit from learning how to correctly write RESTful APIs
- Developers consuming your API won't hate you 😊
- You'll greatly simplify complicated systems by following a few best practices



## What will I learn in this course?

- Introduction to RESTful APIs and their composition
- How to craft RESTful services with all of the necessary parts
- Popular formats for RESTful services like JSON and XML
- Advanced topics like: versioning, authentication, error handling, and pagination



## **What should I know before beginning the course?**

- Basic understanding of web based services
- Basic understanding of how web systems communicate with each other



## About me

- Software architect at [Credera](#)
- Specialize in API design and open source architecture
- Java, Scala, AngularJS
- [www.linkedin.com/in/ethan-ballinger](http://www.linkedin.com/in/ethan-ballinger)
- Graduate of Texas A&M University