

## GEOSPATIAL SEARCH

Being able to finding a ‘where’ is just as important as searching for a ‘what’. This course will introduce you to working with geospatial data in Elasticsearch. It covers how to index geospatial data into an Elasticsearch cluster, as well as how to leverage APIs to search and aggregate this data. You will learn about how geospatial search works at a high level, how it is exposed in Elasticsearch, and explore different geospatial data types. After completing this course, you will be able to index, search, and aggregate geospatial data using Elasticsearch.

### LESSONS

*All lessons include a hands-on lab.*

#### Geospatial Data in Elasticsearch

Learn what geospatial search is and discuss sample use cases. See how Elasticsearch indexes the different formats of this data into a cluster.

#### Geo\_point Queries

Dive into the geo\_point datatype to understand how to use Elasticsearch to index, search, and aggregate geospatial points.

#### Geo\_shape Datatype and Queries

Dive into the geo\_shape datatype to understand how Elasticsearch can index and search shapes composed of multiple points.

#### Geo\_point Sorting, Scoring, and Aggregation

Add value by scoring and sorting searches using geospatial functionality. Explore how to apply advanced aggregations over geospatial datasets.

### COURSE INFORMATION



#### Audience

Software Developers  
Software Engineers  
Data Architects  
System Administrators  
DevOps



#### Duration

2-3 hours



#### Language

English



#### Prerequisites

We recommend taking the following foundational courses (or having equivalent knowledge):

- [Elasticsearch Engineer I](#)
- [Elasticsearch Engineer II](#)



#### Requirements

- Stable internet connection
- Mac, Linux, or Windows
- Latest version of Chrome or Firefox (other browsers not supported)
- Disable any ad blockers and restart your browser before class