

A dark-toned photograph of a person from the chest up, looking slightly to the side. Their face and shirt are partially obscured by a projection of colorful digital code and data. The background is dark, suggesting a low-light environment like a server room or a developer's workspace.

# SPLUNK CERTIFICATION COURSE

Master Splunk skills and take your career to the next level!



1.2 Million  
Learners



1:1 Personalized  
Mentorship



55% Average  
Salary Hike

# Splunk Certification Course

This certification course covers all the important aspects of Splunk Developer and Splunk Administration. The course has been carefully designed by industry experts to help you master Splunk installation, configuration, Splunk CIM, log analysis, Splunk dashboard, configuration, deployment, monitor, reports, etc. This program will help you clear the Splunk Power User and Admin Certification exam.

## Hottest Job of 21st Century



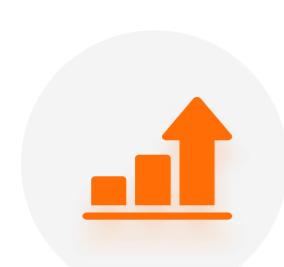
### 1.4 Million Job Postings

There is a global estimate of 1.4 million job postings for Splunk roles by 2022



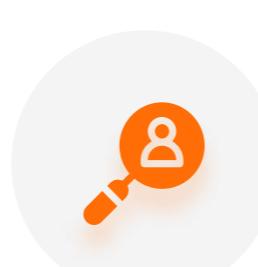
### Skill Development

Splunk professionals are equipped with various relevant skills fetching lucrative job offers



### Growing Splunk Industry

38.5% CAGR in the global Splunk industry



### Future-oriented Career

Splunk is a budding field; a head start will prove to be beneficial



### Popular Degree

34% Splunk professionals have a Master's degree



### High Demand

By 2022, India and US will face a demand-supply gap of 340,000 Splunk professionals

## Our Credentials



**1.2 Million+**

Aspiring Active Students



**1,000+**

Industry-expert Instructors



**400+**

Hiring Partners



**200+**

Corporates Upskilled



**55%**

Average Salary Hike

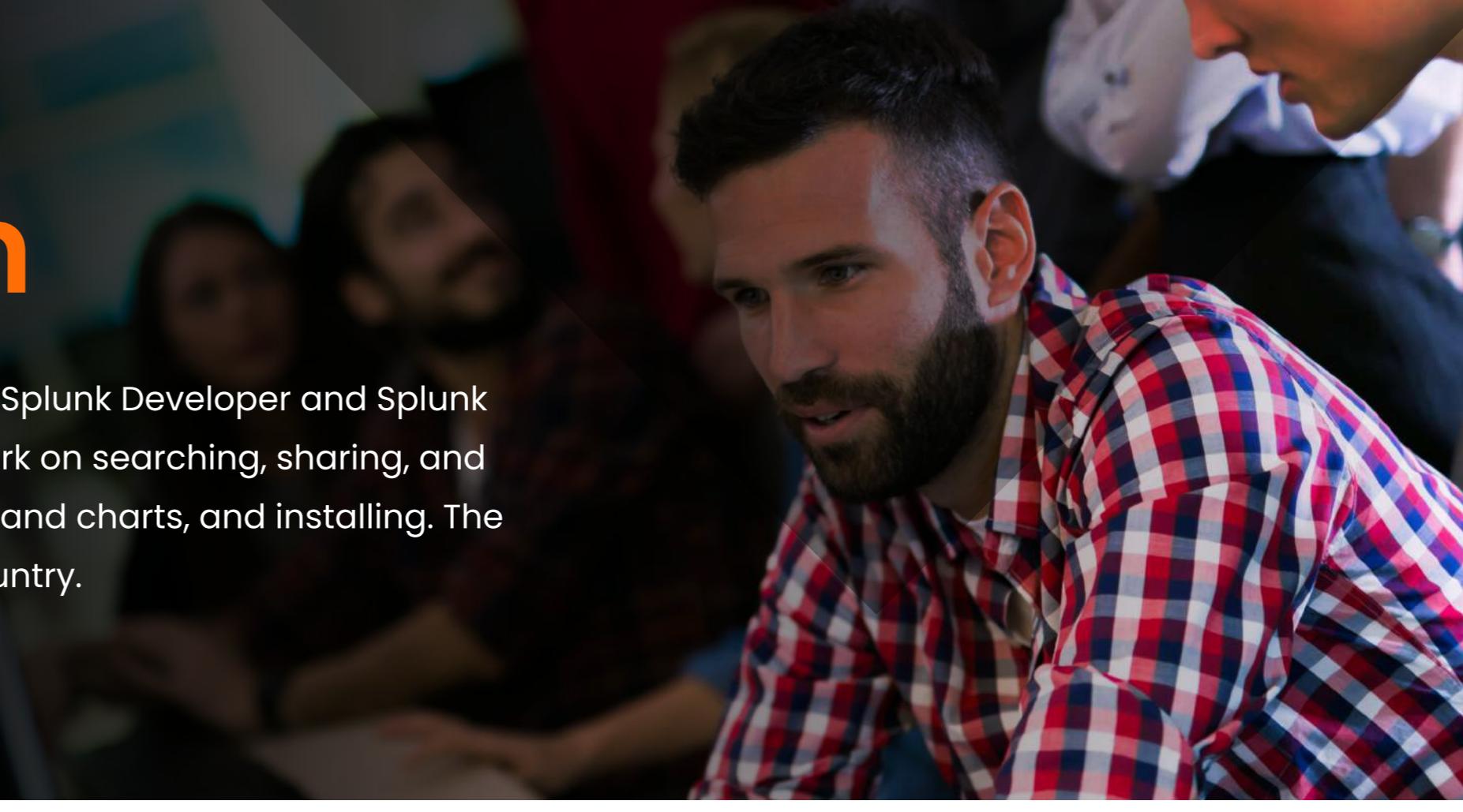


**155+**

Countries' Learners

# About Program

This Splunk Certification Course will prepare you for the Splunk Developer and Splunk Admin Certification. As a part of the training, you will work on searching, sharing, and saving Splunk results, creating tags, generating reports and charts, and installing. The course will qualify you for the top-paying jobs in the country.



## Key Highlights

- ✓ 26 Hrs Instructor-led Training
- ✓ 40 Hrs Projects and Exercises
- ✓ Job Assistance
- ✓ Lifetime Free Upgradation
- ✓ 26 Hrs Self-paced Videos
- ✓ Certification
- ✓ Flexible Schedule
- ✓ Mentor Support

## Program Pedagogy



### Instructor-led Training

Get trained by top industry experts



### 1:1 Personalized Learning

Hands-on exercises, project work, quizzes, and capstone projects



### Projects and Exercises

Get real-world experience through projects



### Hackathons

Get a sense of how real projects are built



### Peer Networking and Group Learning

Improve your professional network and learn from peers



### Gamified Learning

Get involved in group activities to solve real-world problems

# Program Curriculum

```
modifier_obj.select=1  
bpy.context.scene.objects.active = modifier_obj  
print("Selected" + str(modifier_obj)) # modifier obj  
modifier_obj.select = 0  
#bpy.ops.object.select_all(action='DESELECT')
```

## Module 1

### Splunk Development Concepts

- Introduction to Splunk and Splunk developer roles and responsibilities

## Module 2

### Basic Searching

- Writing Splunk query for search
- Auto-complete to build a search
- Time range
- Refine search
- Working with events
- Identifying the contents of search
- Controlling a search job

## Module 3

### Using Fields in Searches

- What is a Field
- How to use Fields in search
- Deploying Fields Sidebar and Field Extractor for REGEX field extraction
- Delimiting Field Extraction using FX

## Module 4

### Saving and Scheduling Searches

- Writing Splunk query for search, sharing, saving, scheduling and exporting search results

## Module 5

### Creating Alerts

- How to create alerts
- Understanding alerts
- Viewing fired alerts

## Module 6

### Scheduled Reports

- Describe and configure scheduled reports

## Module 7

### Tags and Event Types

- Introduction to Tags in Splunk
- Deploying Tags for Splunk search
- Understanding event types and utility
- Generating and implementing event types in search

## Module 8

### Creating and Using Macros

- What is a Macro
- What are variables and arguments in Macros

## Module 9

### Workflow

- Creating get, post and search workflow actions

## Module 10

### Splunk Search Commands

- Studying the search command
- The general search practices
- What is a search pipeline
- How to specify indexes in search
- Highlighting the syntax
- Deploying the various search commands like fields, tables, sort, rename, rex and ereg

## Module 11

### Transforming Commands

- Using top, rare and stats commands

## Module 12

### Reporting Commands

- Using following commands and their functions:  
addcoltotals, addtotals, top, rare and stats

## Module 13

### Mapping and Single Value Commands

- iplocation, geostats, geom and addtotals commands

## Module 14

### Splunk Reports and Visualizations

- Explore the available visualizations
- Create charts and time charts
- Omit null values and format results

## Module 15

### Analyzing, Calculating and Formatting Results

- Calculating and analyzing results
- Value conversion
- Roundoff and format values

# Program Curriculum

- Using the eval command
- 15.5 Conditional statements
- 15.6 Filtering calculated search results

## Module 16

### Correlating Events

- How to search the transactions
- 16.2 Creating report on transactions
- Grouping events using time and fields
- Comparing transactions with stats

## Module 17

### Enriching Data with Lookups

- Learning data lookups
- Examples and lookup tables
- Defining and configuring automatic lookups
- Deploying lookups in reports and searches

## Module 18

### Creating Reports and Dashboards

- Creating search charts, reports and dashboards
- Editing reports and dashboards
- Adding reports to dashboards

## Module 19

### Getting Started with Parsing

- Working with raw data for data extraction, transformation, parsing and preview

## Module 20

### Using Pivot

- Describe pivot
- Relationship between data model and pivot
- Select a data model object
- Create a pivot report
- Create instant pivot from a search
- Add a pivot report to dashboard

## Module 21

### Common Information Model (CIM) Add-On

- What is a Splunk CIM
- Using the CIM Add-On to normalize data

## Splunk Administration Topics

### Module 22

#### Overview of Splunk

- Introduction to the architecture of Splunk
- Various server settings
- How to set up alerts
- Various types of licenses
- Important features of Splunk tool
- The requirements of hardware and conditions needed for installation of Splunk

### Module 23

#### Splunk Installation

- How to install and configure Splunk
- The creation of index
- Standalone server's input configuration
- The preferences for search
- Linux environment Splunk installation
- The administering and architecting of Splunk

### Module 24

#### Splunk Installation in Linux

- How to install Splunk in the Linux environment
- The conditions needed for Splunk
- Configuring Splunk in the Linux environment

### Module 25

#### Distributed Management Console

- Introducing Splunk distributed management console
- Indexing of clusters
- How to deploy distributed search in Splunk environment
- Forwarder management
- User authentication and access control

### Module 26

#### Introduction to Splunk App

- Introduction to the Splunk app
- How to develop Splunk apps
- Splunk app management
- Splunk app add-ons
- Using Splunk-base for installation and deletion of apps
- Different app permissions and implementation

# Program Curriculum

- How to use the Splunk app
- Apps on forwarder

## Module 27

### Splunk Indexes and Users

- Details of the index time configuration file
- The search time configuration file

## Module 28

### Splunk Configuration Files

- Understanding of Index time and search time configuration files in Splunk
- Forwarder installation
- Input and output configuration
- Universal Forwarder management
- Splunk Universal Forwarder highlights

## Module 29

### Splunk Deployment Management

- Implementing the Splunk tool
- Deploying it on the server
- Splunk environment setup
- Splunk client group deployment

## Module 30

### Splunk Indexes

- Understanding the Splunk Indexes
- The default Splunk Indexes
- Segregating the Splunk Indexes
- Learning Splunk Buckets and Bucket Classification
- Estimating Index storage
- Creating new Index

## Module 31

### User Roles and Authentication

- Understanding the concept of role inheritance
- Splunk authentications
- Native authentications
- LDAP authentications

## Module 32

### Splunk Administration Environment

- Splunk installation, configuration
- Data inputs

- App management
- Splunk important concepts
- Parsing machine-generated data
- Search indexer and forwarder

## Module 33

### Basic Production Environment

- Introduction to Splunk Configuration Files
- Universal Forwarder
- Forwarder Management
- Data management, troubleshooting and monitoring

## Module 34

### Splunk Search Engine

- Converting machine-generated data into operational intelligence
- Setting up the dashboard, reports and charts
- Integrating Search Head Clustering and Indexer Clustering

## Module 35

### Various Splunk Input Methods

- Understanding the input methods
- Deploying scripted, Windows and network
- Agentless input types and fine-tuning them all

## Module 36

### Splunk User and Index Management

- Splunk user authentication and job role assignment
- Learning to manage, monitor and optimize Splunk Indexes

## Module 37

### Machine Data Parsing

- Understanding parsing of machine-generated data
- Manipulation of raw data
- Previewing and parsing
- Data field extraction
- Comparing single-line and multi-line events

## Module 38

### Search Scaling and Monitoring

- Distributed search concepts
- Improving search performance
- Large-scale deployment and overcoming execution hurdles

```
modifier_ob.select=1  
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print("Selected" + str(modifier_ob)) # modifier ob  
modifier_ob.select = 0  
bpy.ops.object.select_all(action='DESELECT')
```

- Working with Splunk Distributed Management Console for monitoring the entire operation

## Module 39

### Splunk Cluster Implementation

- Cluster indexing
- Configuring individual nodes
- Configuring the cluster behavior, index and search behavior
- Setting node type to handle different aspects of cluster like master node, peer node and search head

# Course Projects

Projects cover the following industries:



Retail



Social Media



Supply Chain



Entrepreneurship



E-commerce



Banking



Healthcare



Insurance

## Creating an Employee Database of a Company

The project involves creating a text file of employee data with details such as full name, salary, etc. It also involves indexing the data based on various parameters and using Splunk commands to evaluate and extract information.

## Building an Organizational Dashboard with Splunk

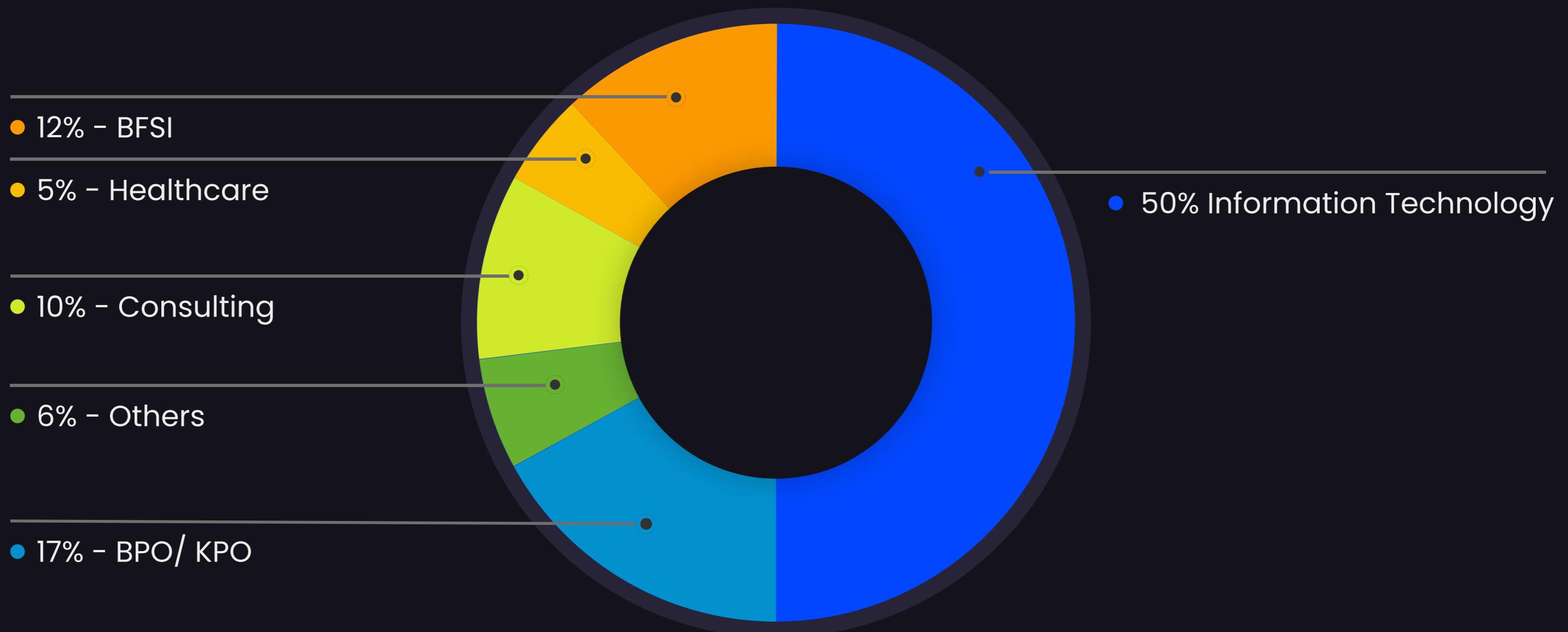
This project facilitates building an analytics dashboard for a website and creating alerts for various conditions along with capturing and uploading access and sample logs of the web server and creating a Splunk dashboard.

## Field Extraction in Splunk

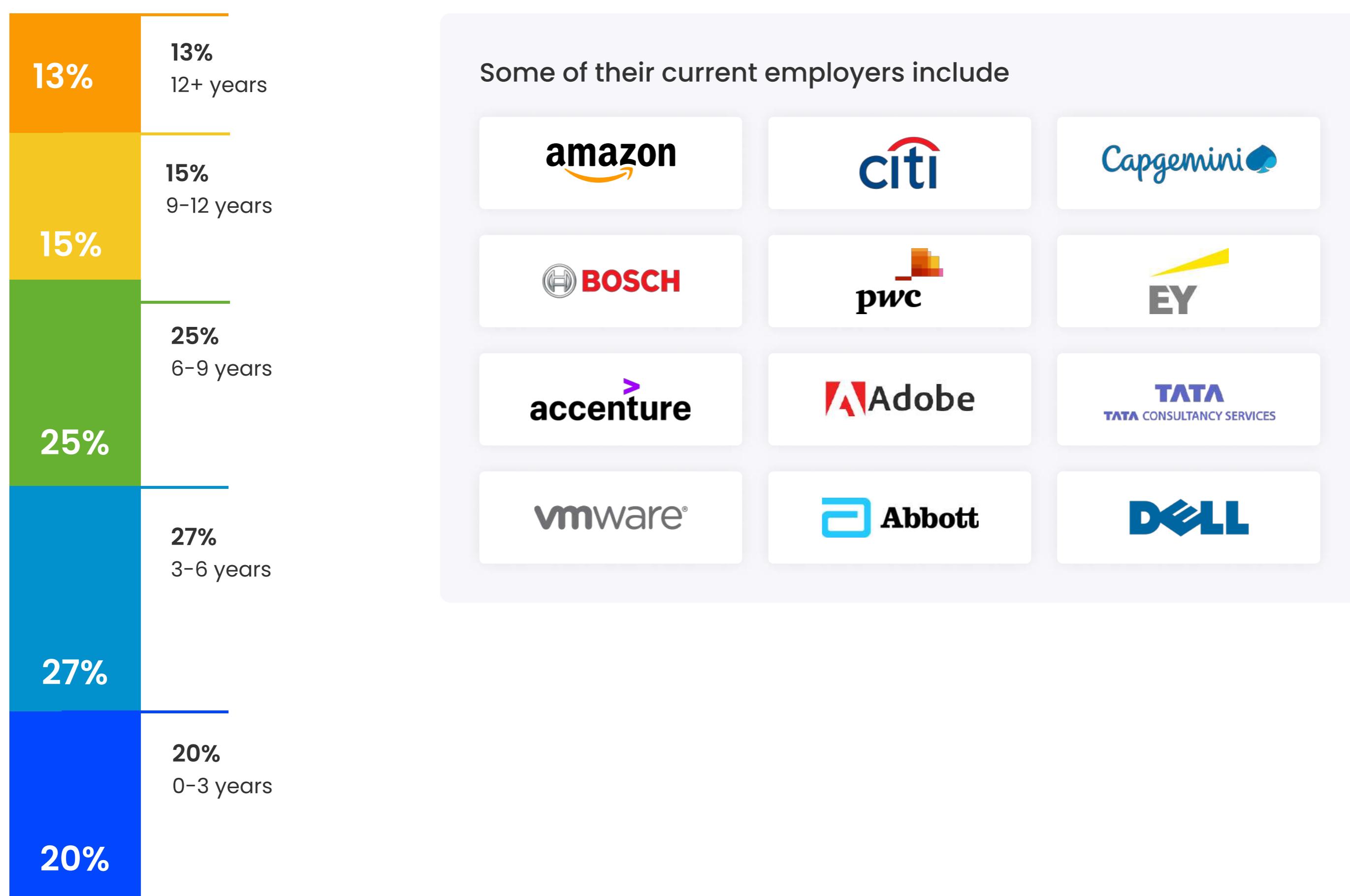
Learn to perform field extractions, understand the use of the field extractor, etc., Also gain expertise in building Splunk dashboards and using the extracted fields data in it to create rich visualizations in an enterprise setup.

# Meet the **Batch**

## Industries Our Learners Come From



## Work **Experience**



# Glimpse of our Successful Transitions



4.6 ★★★★★



4.5 ★★★★★



4.38 ★★★★★

## Career Transitions



**Rajesh Venaganti**  
Senior Software Engineer

From  
Associate  
Consultant

To  
Senior Software  
Engineer



**Pratik Kumar**  
Product Manager

From  
Marketing Manager

To  
Product Manager



**Yogesh Kumar**  
Senior Software Engineer

From  
Associate  
Consultant

To  
Senior Software  
Engineer



**Gaurav Saboo**  
Senior Technical Associate

From  
Technical Analyst

To  
Senior Technical  
Associate



**Ankit Kumar**  
Data Scientist

From  
B.com Graduate

To  
Data Scientist



**Melwin Rodrigues**  
Data Scientist

From  
Customer Service  
Agent

To  
Data Scientist



**Shehzin Mulla**  
Research Analyst

From  
Data Analyst

To  
Research Analyst



**D Rajesh Sahoo**  
Machine Learning Engineer

From  
B. Tech – Civil  
Engineering

To  
Machine Learning  
Engineer



# About Intellipaat



**Intellipaat** is one of the leading online training providers with more than 1.2 million learners in over 155 countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

We create courses in collaboration with top universities and MNCs for employability like IIT Madras, University of Essex, University of Liverpool, IIT Roorkee, IIT Guwahati, SPJIMR, IBM, Microsoft, etc.

Our courses are delivered by SMEs & our pedagogy enables quick learning of difficult topics. 24/7 technical support & career services help learners to jump-start their careers.

```
modifier.ob.select=1
 bpy.context.scene.objects.active = modifier_ob
 print("Selected" + str(modifier_ob)) # modifier ob is
 modifier_ob.select = 0
 ob = bpy.context.scene.objects.active
```

**1.2 Million** Learners & 200+ corporates across 155+ countries  
upskilling on Intellipaat platform



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