

The background of the slide is a dense field of 3D-rendered numbers in various shades of blue and white. The numbers are of different sizes and are scattered across the entire frame, creating a sense of depth and complexity. Some numbers are in the foreground, appearing larger and more detailed, while others are in the background, appearing smaller and more faded. The overall effect is a vibrant, data-driven aesthetic.

Mongo DB

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Babatunde Odumuyiwa,
Maduabughichi Achilefu**

Project Overview



Phase I

Introduction and History of
MongoDB



Phase II

Market Share Analysis



Phase III

MongoDB Vs Other NoSQL
DB's

Phase I



Introduction and History of MongoDB

Introduction

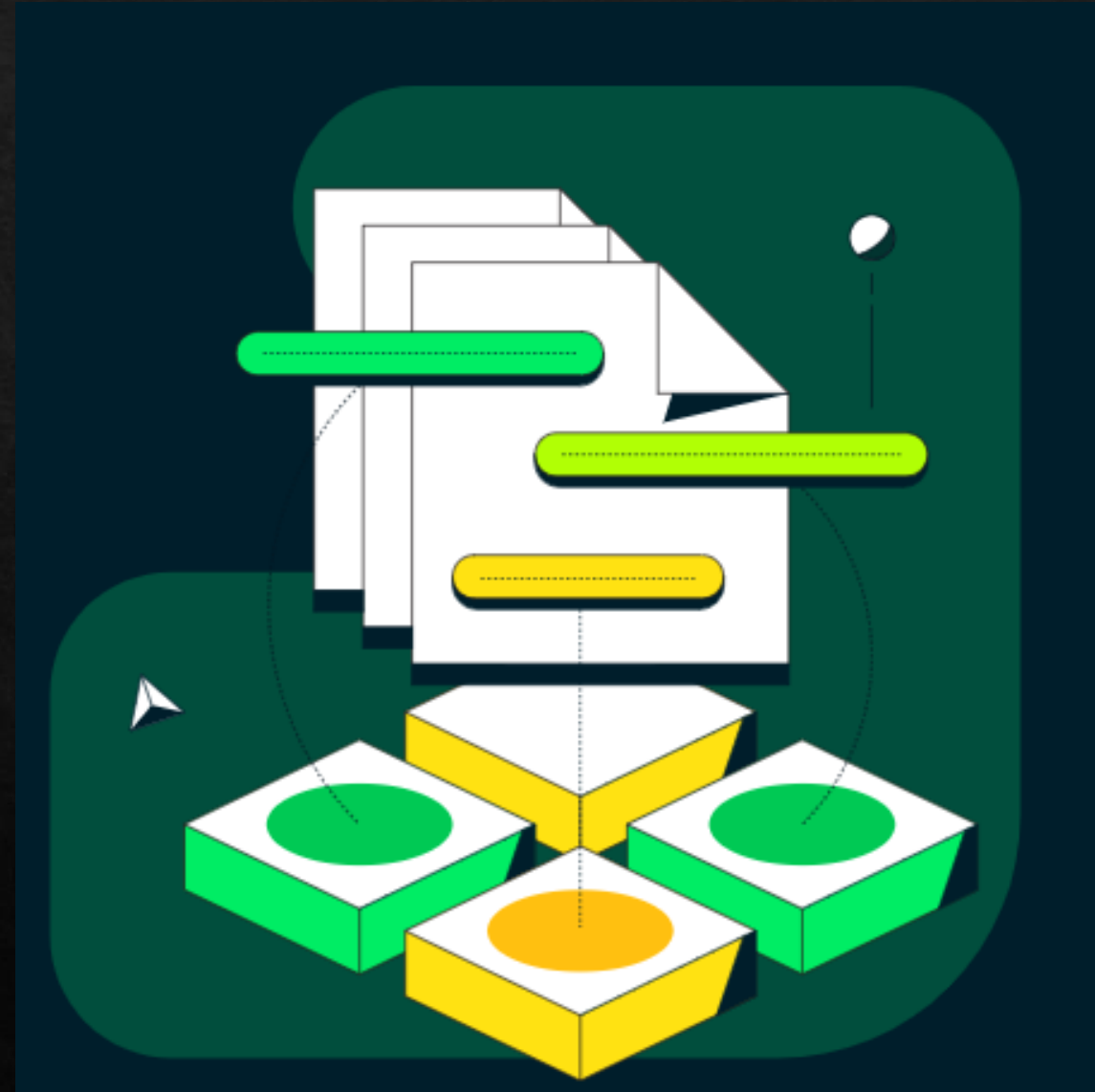


mongoDB

Is MongoDB
Open Source

Built for the way you work with data

MongoDB is an open source document model database enables developers to store data as JSON-like objects that resemble objects in application code. MongoDB Atlas allows the use of preferred tools and languages to manage clusters with MongoDB CLI for Atlas, or IaC tools like Terraform or Cloudformation.



History of MongoDB

- ◆ MongoDB is a NoSQL database that was developed by 10gen, a company founded by Dwight Merriman and Eliot Horowitz in 2007.
- ◆ The first version of MongoDB was released in 2009, and it quickly gained popularity among developers due to its ease of use, scalability, and flexibility.

Dwight Merriman



Eliot Horowitz



MongoDB Advantages & Limitations

ADVANTAGES



LIMITATIONS

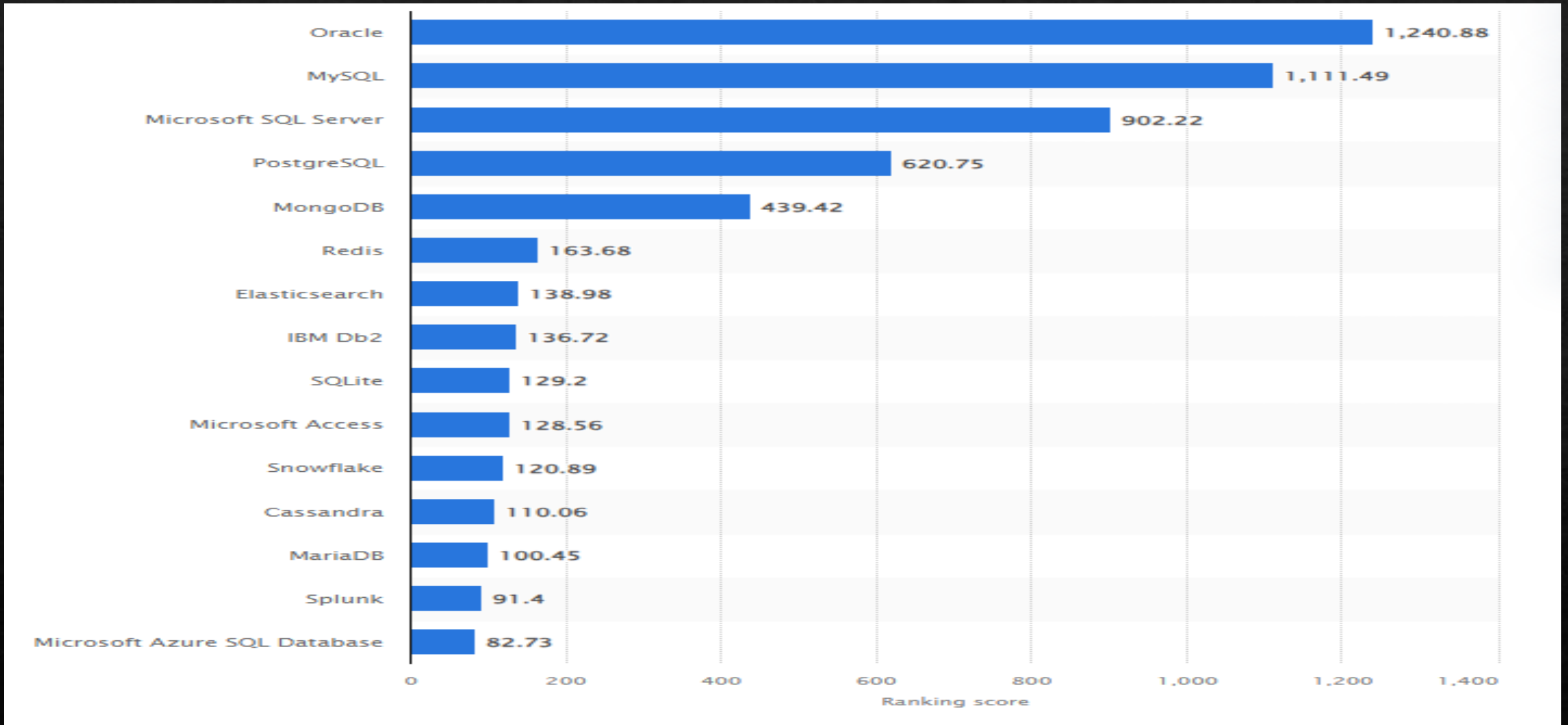


Phase II



Market Share Analysis

MongoDB vs Other Databases Market Share



As at 30th September 2023, Mongo DB ranks 5th among most popular database management systems worldwide.

Source: <https://www.statista.com/statistics/809750/worldwide-popularity-ranking-database-management-systems/>

Top 10 NoSQL DB's



mongoDB



Apache
CASSANDRA™

APACHE
HBASE



amazon
DynamoDB



RAVENDB



CouchDB
relax



redis



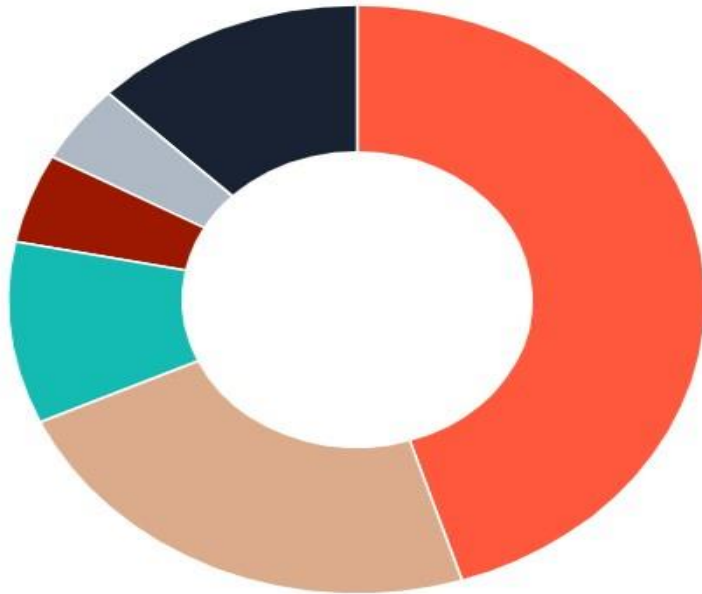
HYPERTABLE INC







OrientDB®

Source: <https://www.decipherzone.com/blog-detail/nosql-databases>

MongoDB Vs Other NoSQL DB's



Technology	Market Share ⓘ	Customers ⓘ
 MongoDB	45.13%	68,585
 NoSQL	23.04%	35,016
 Amazon DynamoDB	9.99%	15,181
 Apache Cassandra	4.90%	7,449
 Hbase	4.29%	6,525
 Others	12.65%	19,220

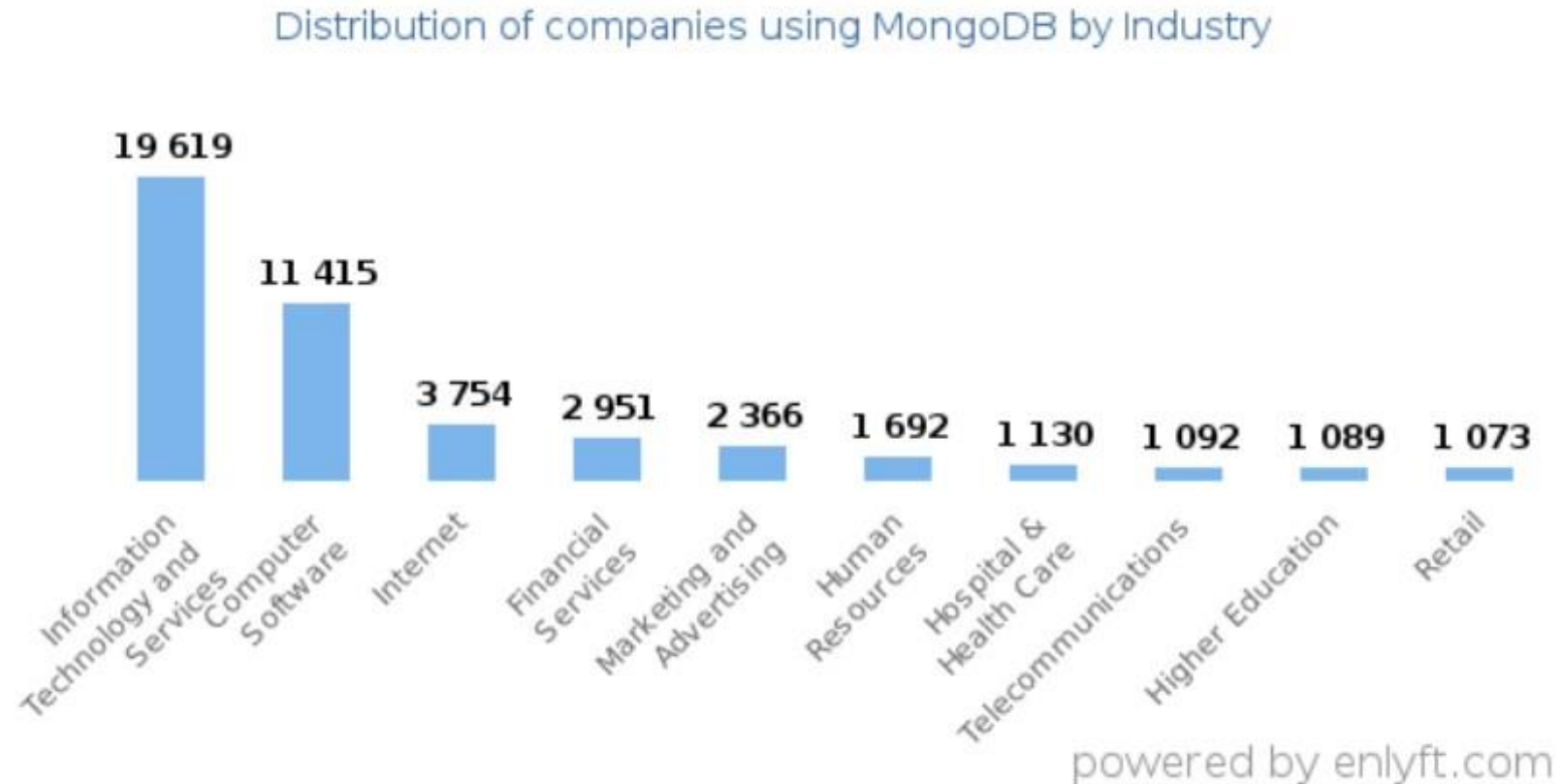
As at 2nd December 2023, Mongo DB ranks 1st among most used NoSQL database management systems worldwide with a Market share of 45.13% and 68,585 customers.

Source: <https://6sense.com/tech/nosql-databases>

MongoDB Customer Distribution By Industry

Top Industries that use MongoDB

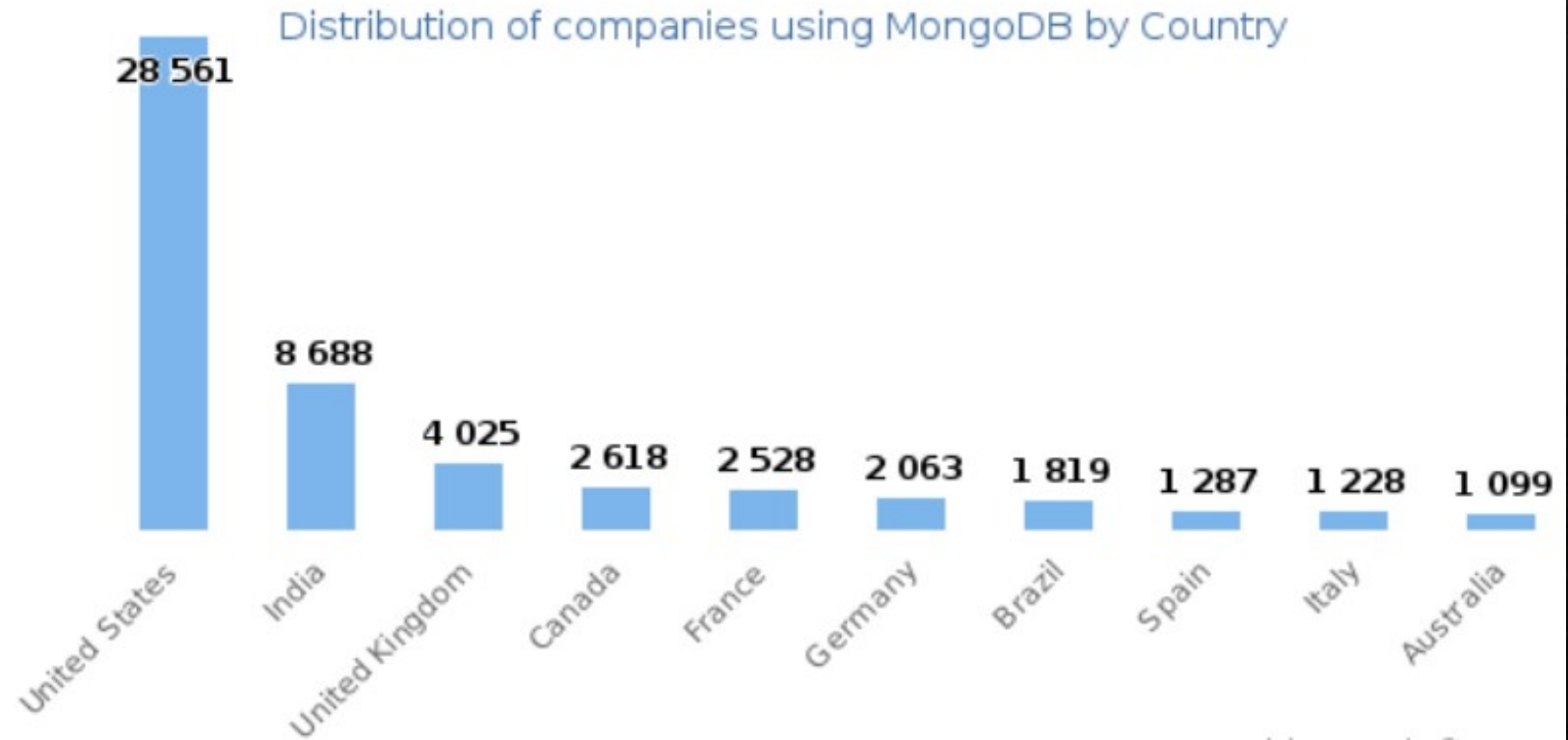
Looking at MongoDB customers by industry, we find that Information Technology and Services (27%), Computer Software (16%) and Internet (5%) are the largest segments.



MongoDB Customer Distribution By Geography

Top Countries that use MongoDB

40% of MongoDB customers are in United States, 12% are in India and 6% are in United Kingdom.

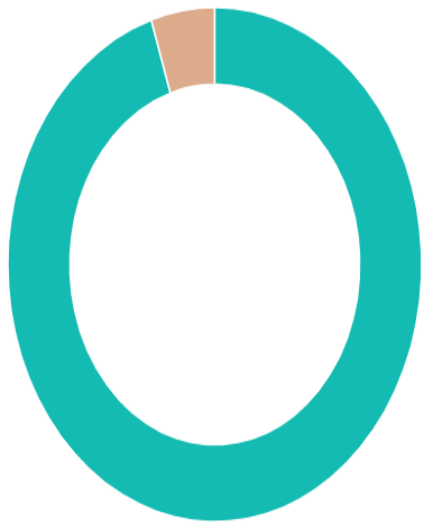
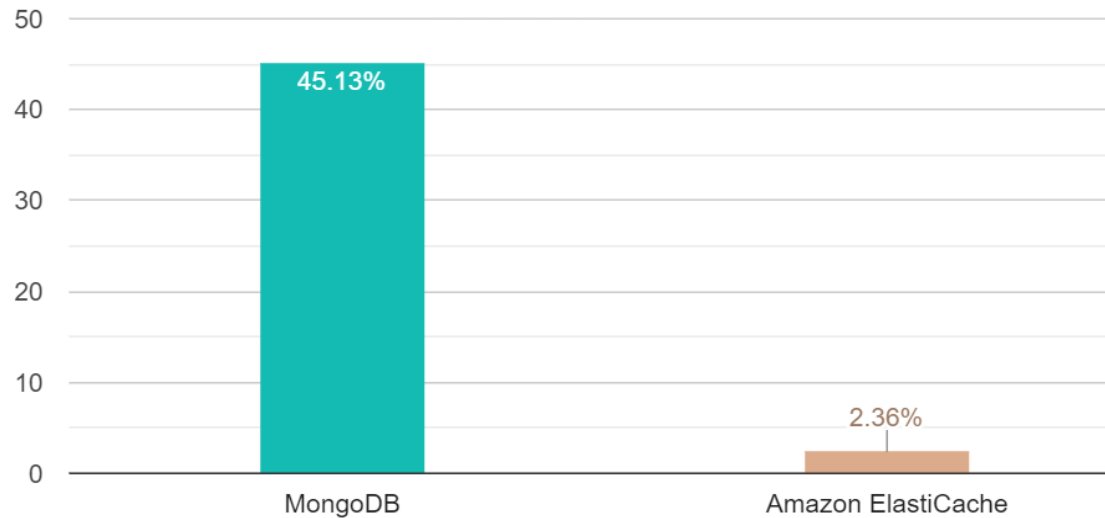


Phase III



MongoDB Vs Other NoSQL DB's

MongoDB Vs Amazon ElastiCache



MongoDB ★ 1st
68,585 Customer

Amazon ElastiCache ★ 6th
3,594 Customer

United States Customers

MongoDB 21,893 Customer(s)
Amazon ElastiCache 1,719 Customer(s)

India Customers

MongoDB 8,035 Customer(s)
Amazon ElastiCache 217 Customer(s)

United Kingdom Customers

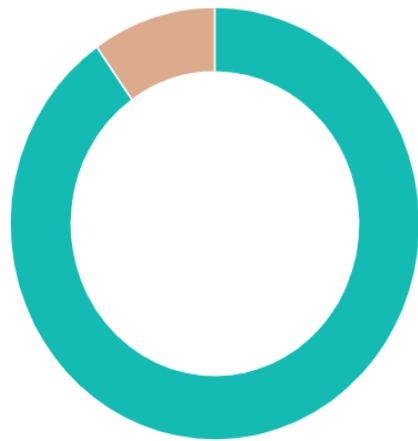
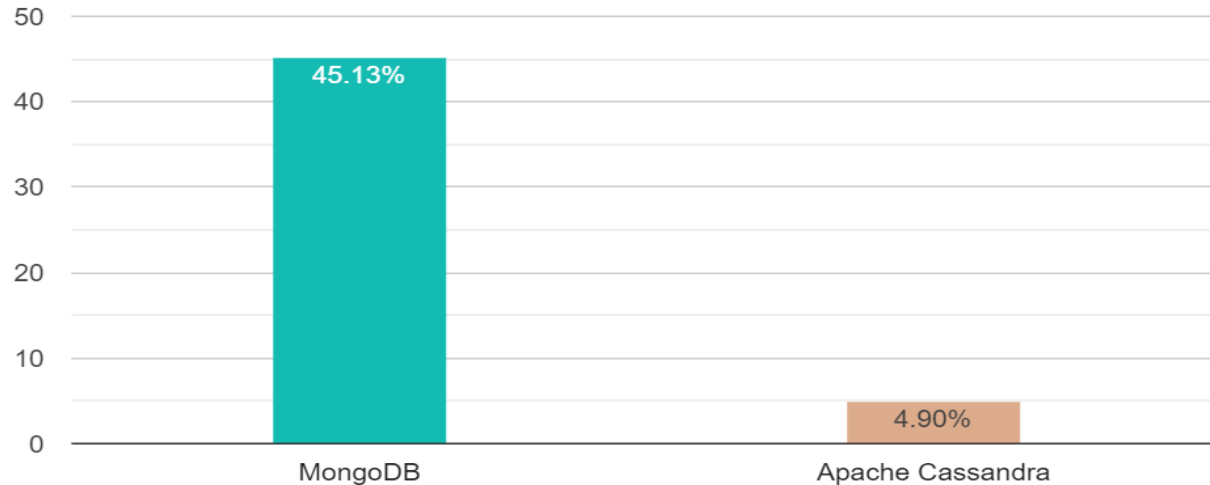
MongoDB 3,920 Customer(s)
Amazon ElastiCache 259 Customer(s)

Canada Customers

MongoDB 2,535 Customer(s)
Amazon ElastiCache 113 Customer(s)

Source: <https://6sense.com/tech/nosql-databases/mongodb-vs-amazonelasticsearch>

MongoDB Vs Apache Cassandra



■ MongoDB ★ 1st
68,585 Customer

■ Apache Cassandra ★ 4th
7,449 Customer



United Kingdom Customers

MongoDB		3,920 Customer(s)
Apache Cassandra		404 Customer(s)

India Customers

MongoDB		8,035 Customer(s)
Apache Cassandra		817 Customer(s)

United States Customers

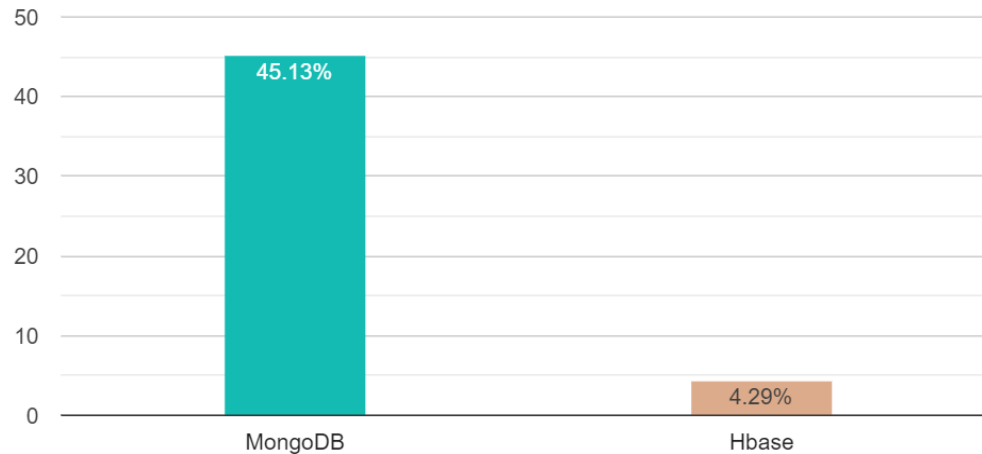
MongoDB		21,893 Customer(s)
Apache Cassandra		3,404 Customer(s)

Canada Customers

MongoDB		2,535 Customer(s)
Apache Cassandra		189 Customer(s)

Source: <https://6sense.com/tech/nosql-databases/mongodb-vs-apachecassandra>

MongoDB Vs Hbase



United States Customers

MongoDB 21,893 Customer(s)
Hbase 3,011 Customer(s)

India Customers

MongoDB 8,035 Customer(s)
Hbase 793 Customer(s)

United Kingdom Customers

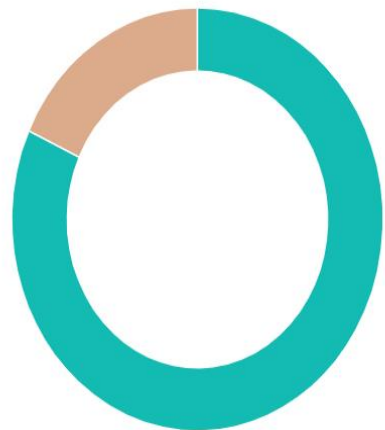
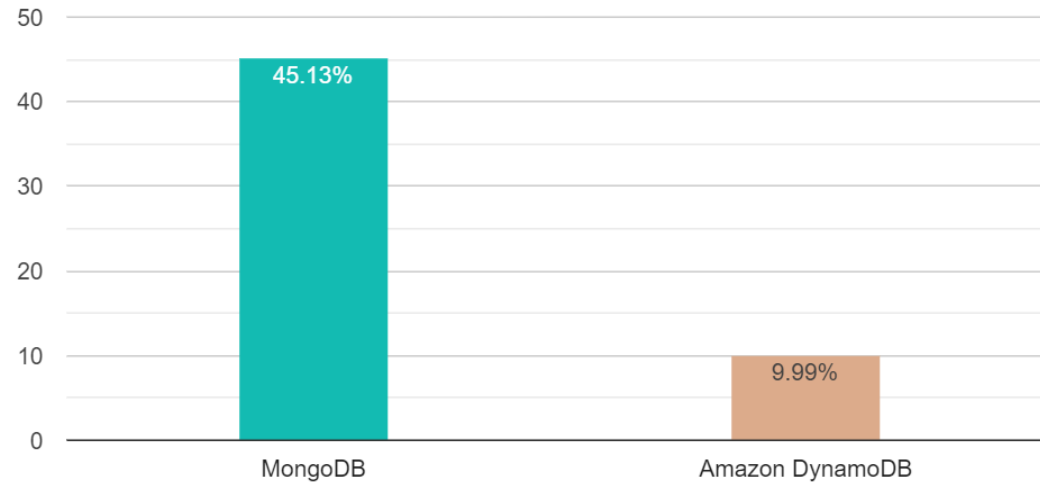
MongoDB 3,920 Customer(s)
Hbase 312 Customer(s)

Canada Customers

MongoDB 2,535 Customer(s)
Hbase 175 Customer(s)

Source: <https://6sense.com/tech/nosql-databases/mongodb-vs-hbase>

MongoDB Vs Amazon DynamoDB



■ MongoDB ★ 1st
68,585 Customer

■ Amazon DynamoDB ★ 3rd
15,181 Customer

United States Customers

MongoDB	21,893 Customer(s)
Amazon DynamoDB	6,867 Customer(s)

India Customers

MongoDB	8,035 Customer(s)
Amazon DynamoDB	1,104 Customer(s)

United Kingdom Customers

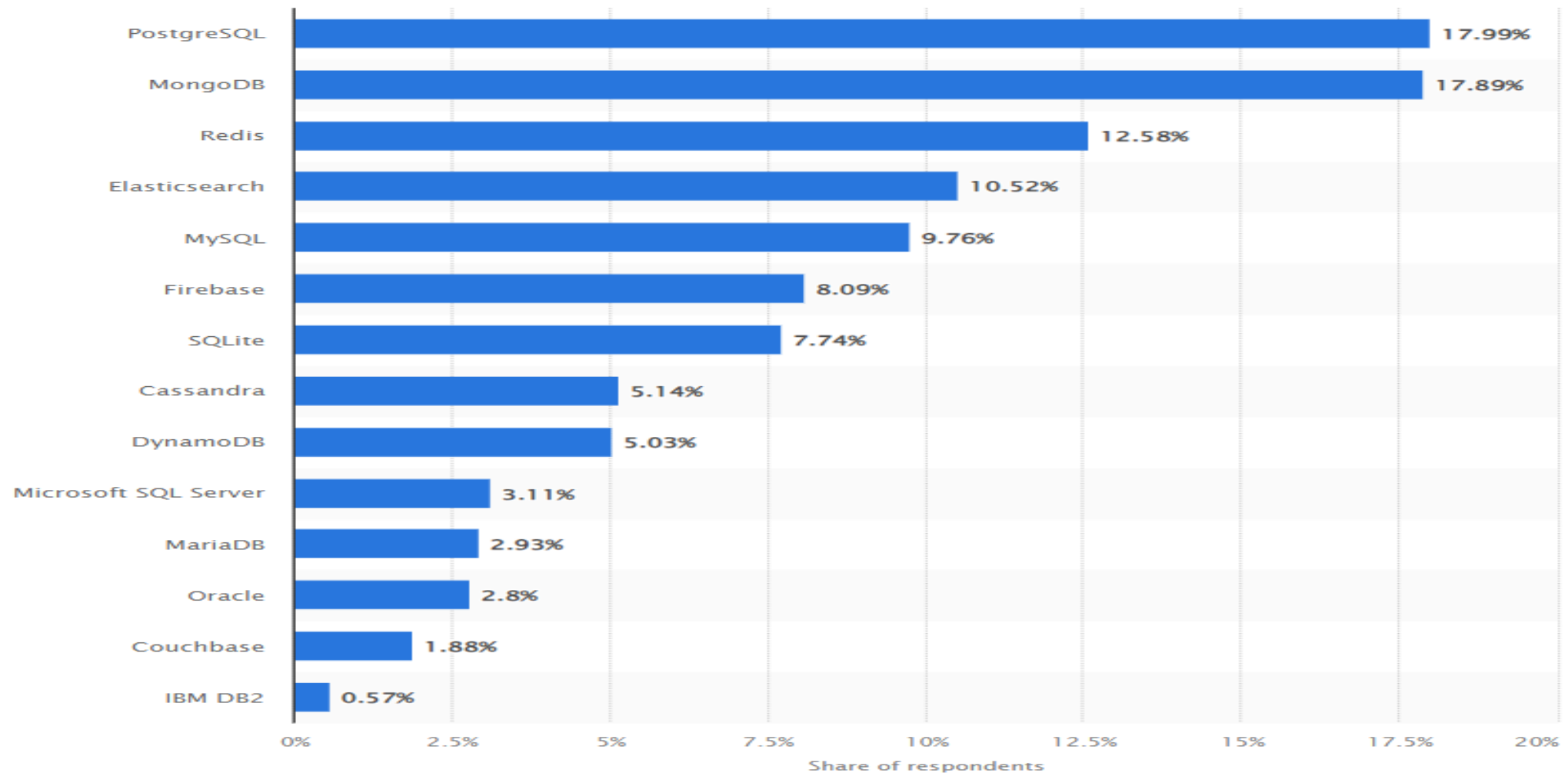
MongoDB	3,920 Customer(s)
Amazon DynamoDB	1,202 Customer(s)

Canada Customers

MongoDB	2,535 Customer(s)
Amazon DynamoDB	579 Customer(s)

Source: <https://6sense.com/tech/nosql-databases/mongodb-vs-amazondynamodb>

Most Wanted Database Skills



MongoDB ranked 2nd at Most wanted database skills among software developers worldwide as of 2021

Source: <https://www.statista.com/statistics/793854/worldwide-developer-survey-most-wanted-database/>

Conclusion

- ◆ MongoDB ranks 5th among the databases and 1st among the NoSQL databases.
- ◆ It is widely used among software developers and it should be in your toolbox if you are a software developer who wants to work in the USA, UK, and Canada.
- ◆ It works well with unstructured data for Big Data Systems, News Site Forums, and social networking applications.
- ◆ It works well with cloud computing.

Reference

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THE END