



MASAI

Job Analytics

Instahyre (Hiring platform)



THE ANALYTICAL TEAM



BABLI KUMARI
DATA ANALYST



SANKARSHAN TAYADE
DATA ANALYST



ANADI BRAMHA
DATA ANALYST



PARTHIBAN
DATA ANALYST



Agenda

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Introduction

- This project focuses on job analytics using data from instahyre.
- By extracting and analyzing job data, it provides insights for job seekers, employers, and HR professionals to make informed decisions in the job market.
- Enhance understanding of job market trends and demand.





Problem Statement

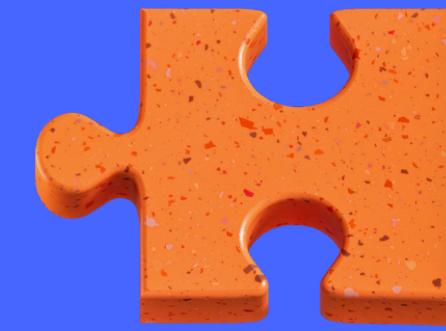
- The internet's vast job market presents a challenge for job seekers to locate suitable job postings that match their skills and interests.
- Job seekers struggle to filter through the abundance of online job opportunities to find relevant positions.
- Companies face difficulties in identifying qualified candidates from the large pool of job seekers in the online job market.
- The need for efficient tools and strategies, such as job analytics, arises to help job seekers and employers make informed decisions in navigating the competitive job market.



Objective



Job seekers
insights.



Employer recruitment
optimization.



Talent demand
understanding.



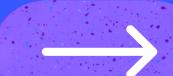
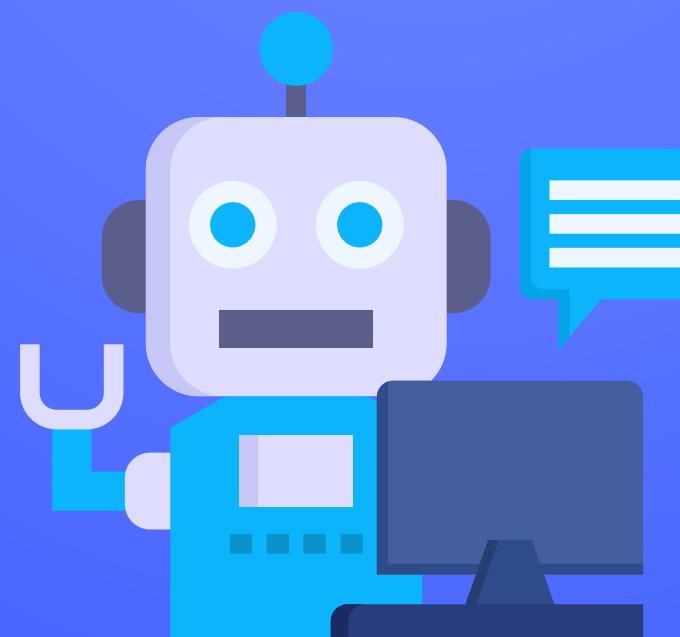
Competitive
advantage of job
seeking.





Tools and Technologies

- We leveraged various technologies in our project to collect, clean, and analyze the data.
- Python: Utilized for web scraping, data cleaning, preprocessing, and manipulation.
- SQL: Employed for database management and querying.
- Excel: Used for data visualization and creating interactive dashboards.



Data Preview

Company	Description
company_id	Primary Key
Name	Company Name
Establishment_year	Founded Year
Employees_count	No. of Employees working



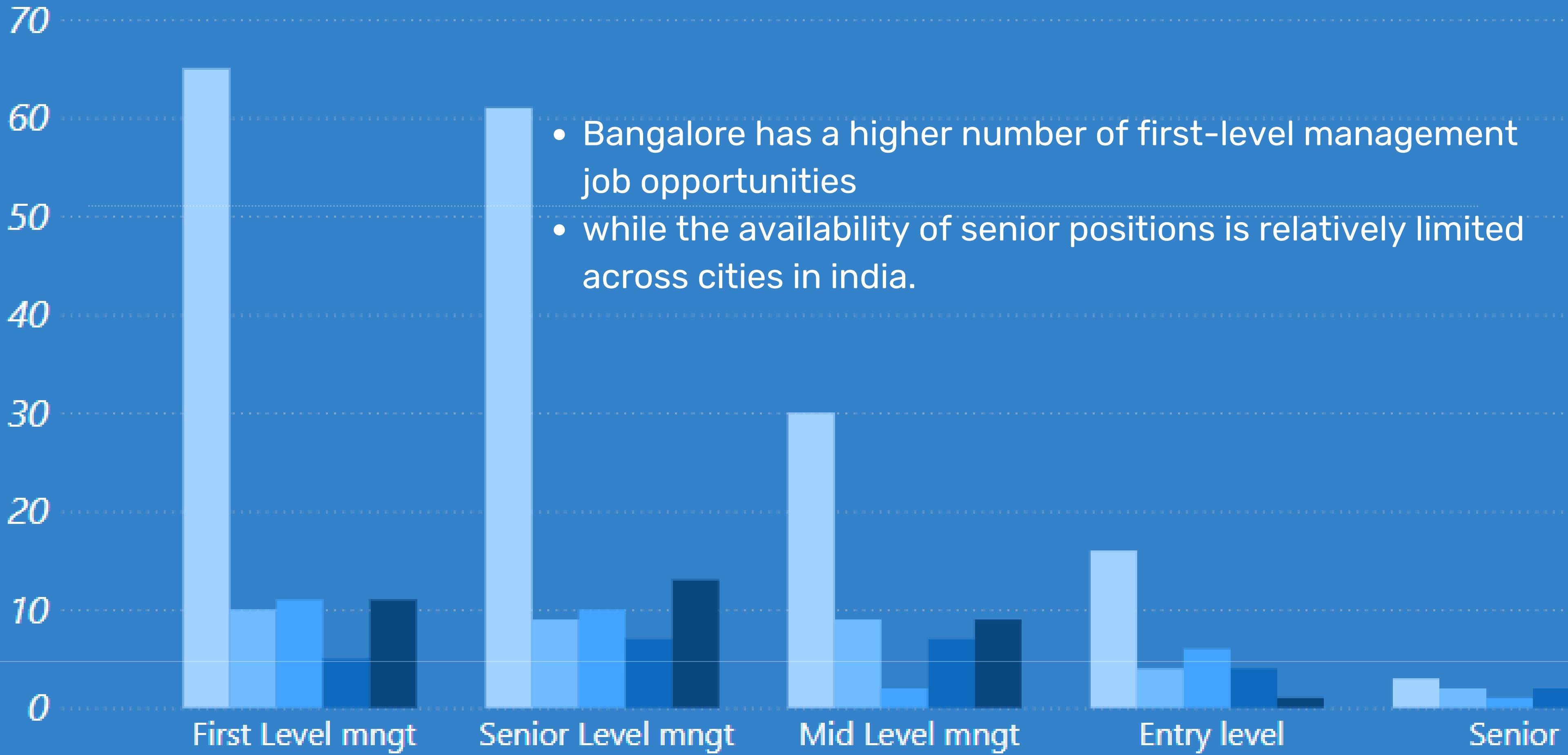
Jobs	Description
job_id:	Primery key
company_id	Foreign Key
location	Job Location
designation	Job Role
details_id	Foreign Key
job_field	Department of Job

Details	Description
details_id	Primary Key
involvement	Type of job
skills	Required Skills
hr_name	Name of HR

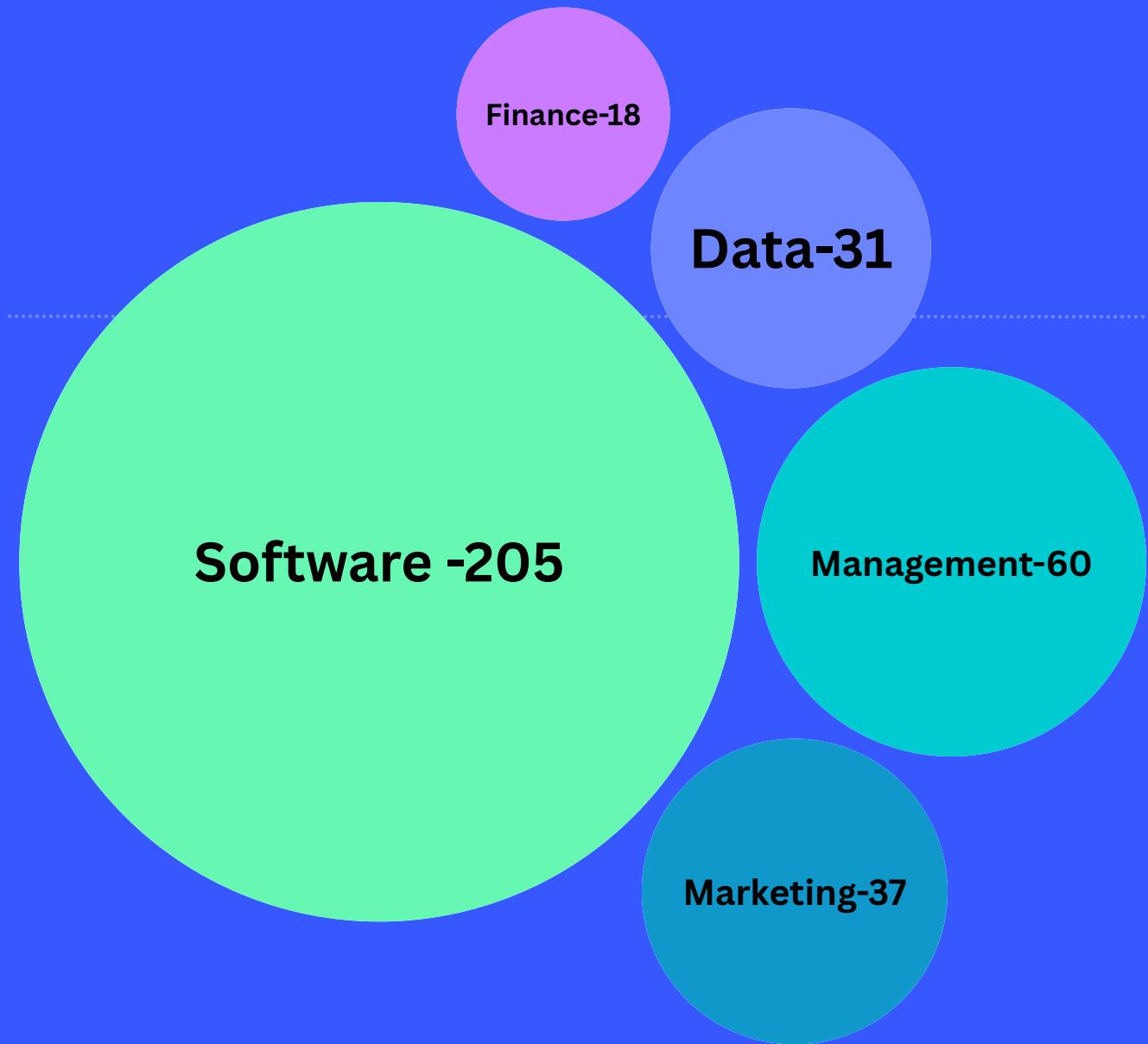


Job_count by experience and location

location ● Bangalore ● Gurgaon ● Hyderabad ● Mumbai ● Work From Home



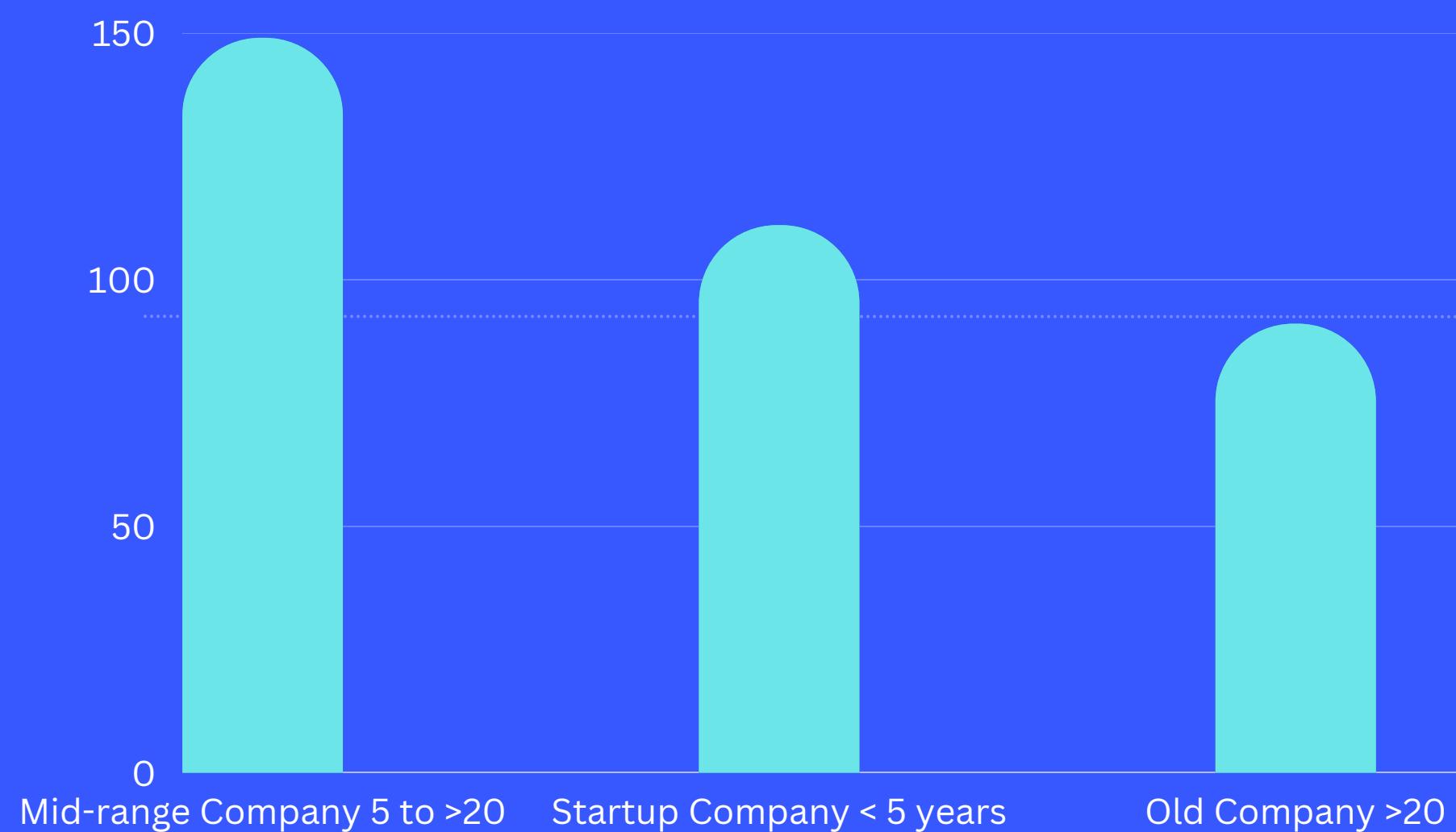
Fieldwise Job Trends



- Software roles have the highest job demand, with 205 available positions.
- Management roles show a significant demand, with 60 job openings.
- Marketing and data roles have moderate demand, with 37 and 31 job opportunities respectively.
- Finance roles have the lowest demand, with only 18 job openings.



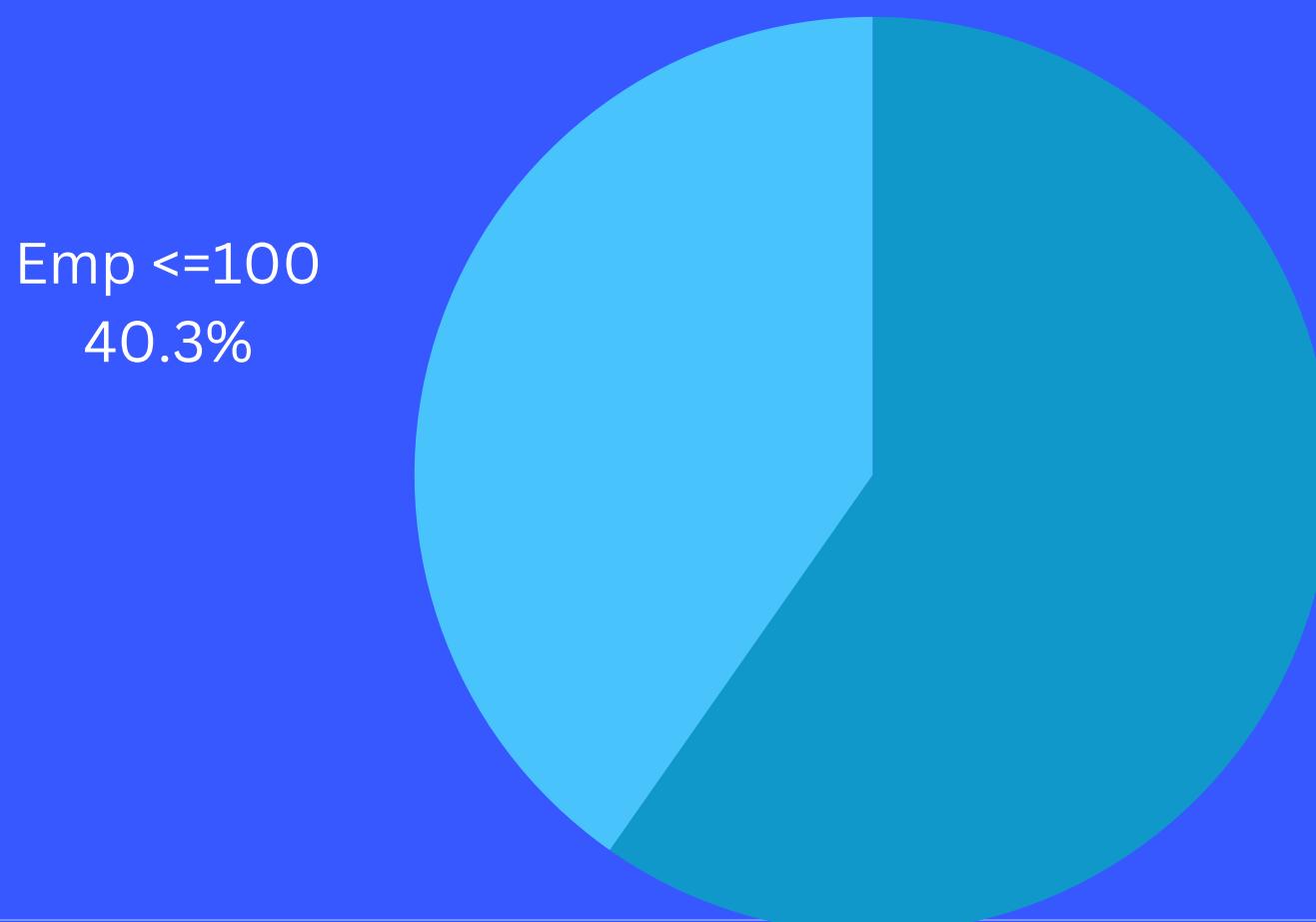
Job Market Based On Type of Industry



- Mid-range companies dominate with 149 job postings, indicating a stable presence in the job market.
- Startups show significant activity with 111 job postings, reflecting entrepreneurial growth and innovation.
- Old companies contribute 91 job postings, highlighting their continued relevance and potential for experienced professionals.
- The diverse job market offers opportunities across different company categories, catering to a range of career preferences.



Comparison of Job Openings

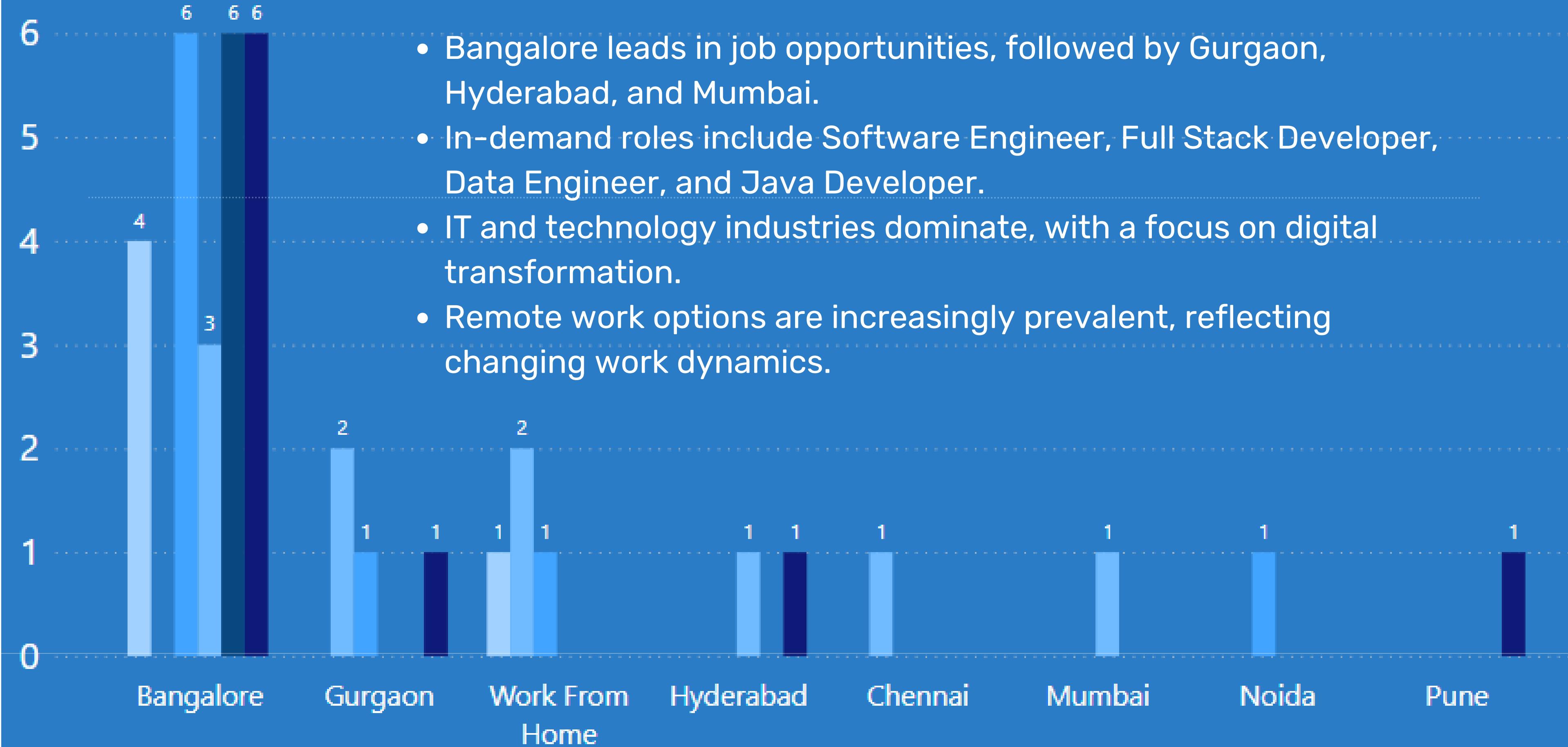


- Companies with more than 1000 employees have 130 job openings, indicating a higher demand for talent in larger organizations.
- Companies with 100 or fewer employees have 82 job openings, suggesting a relatively lower number of employment opportunities in smaller companies.
- The data implies that larger companies may have a greater need for hiring new employees due to their size and scale of operations.
- Further analysis is required to determine the specific industries and job roles associated with these job openings to gain a comprehensive understanding of the employment landscape.



Job count by location and designation

● Data Engineer ● Data Scientist ● DevOps Engineer ● Java Developer ● Software Development Engineer - 2 ● Software Engineer



Job Analytics Dashboard

job field

All

skills

All

name

All

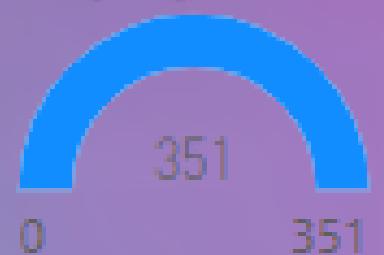
Involvement

All

Count of job by Company



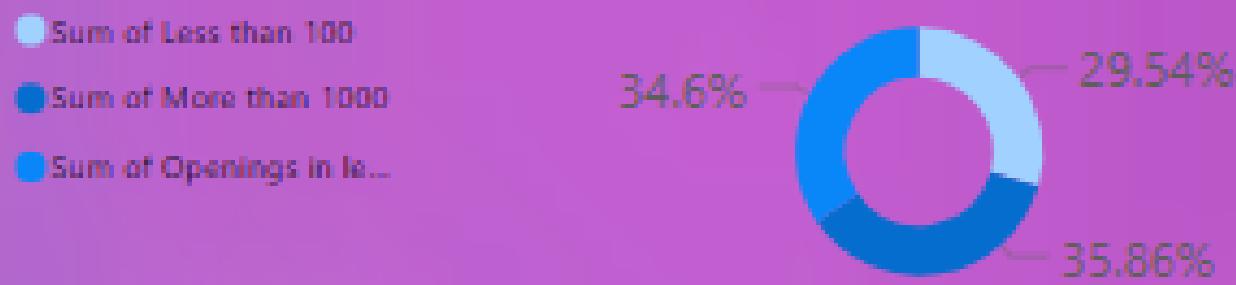
Company Count



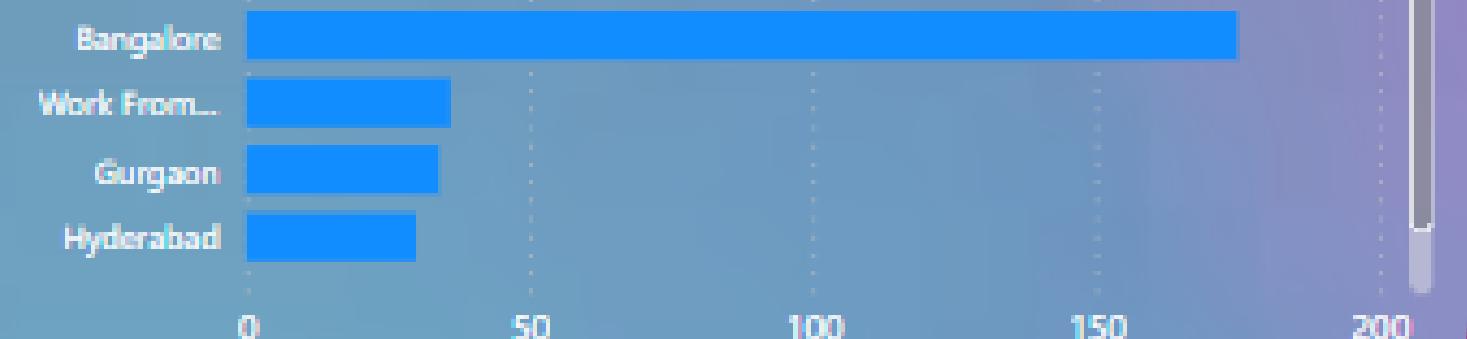
Involvement



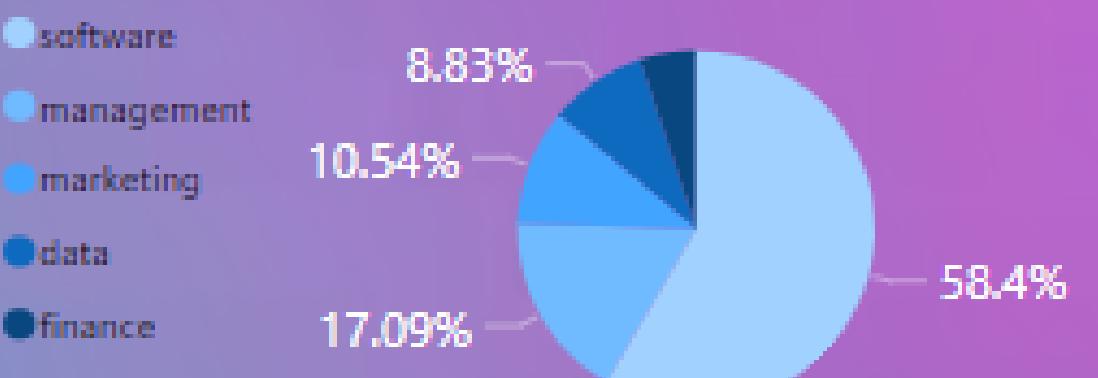
Number of Job Openings by Employee Count



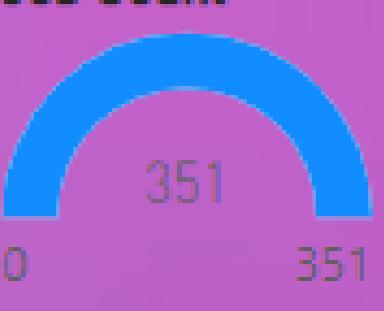
Count of Job by location



Count of Job by Job field



Job Count

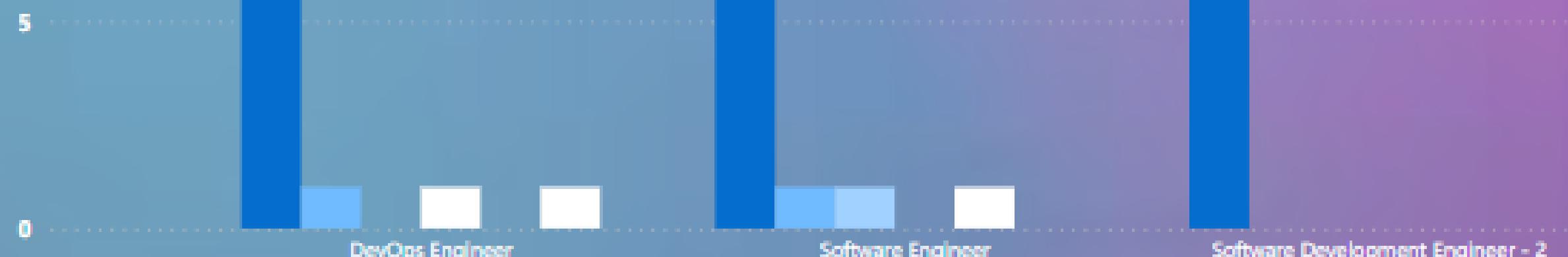


location

- Work From Home
- Pune
- Noida

Count of Job by Designation and Location

Job locations: ● Bangalore ● Gurgaon ● Hyderabad ● Noida ● Pune ● Work From Home



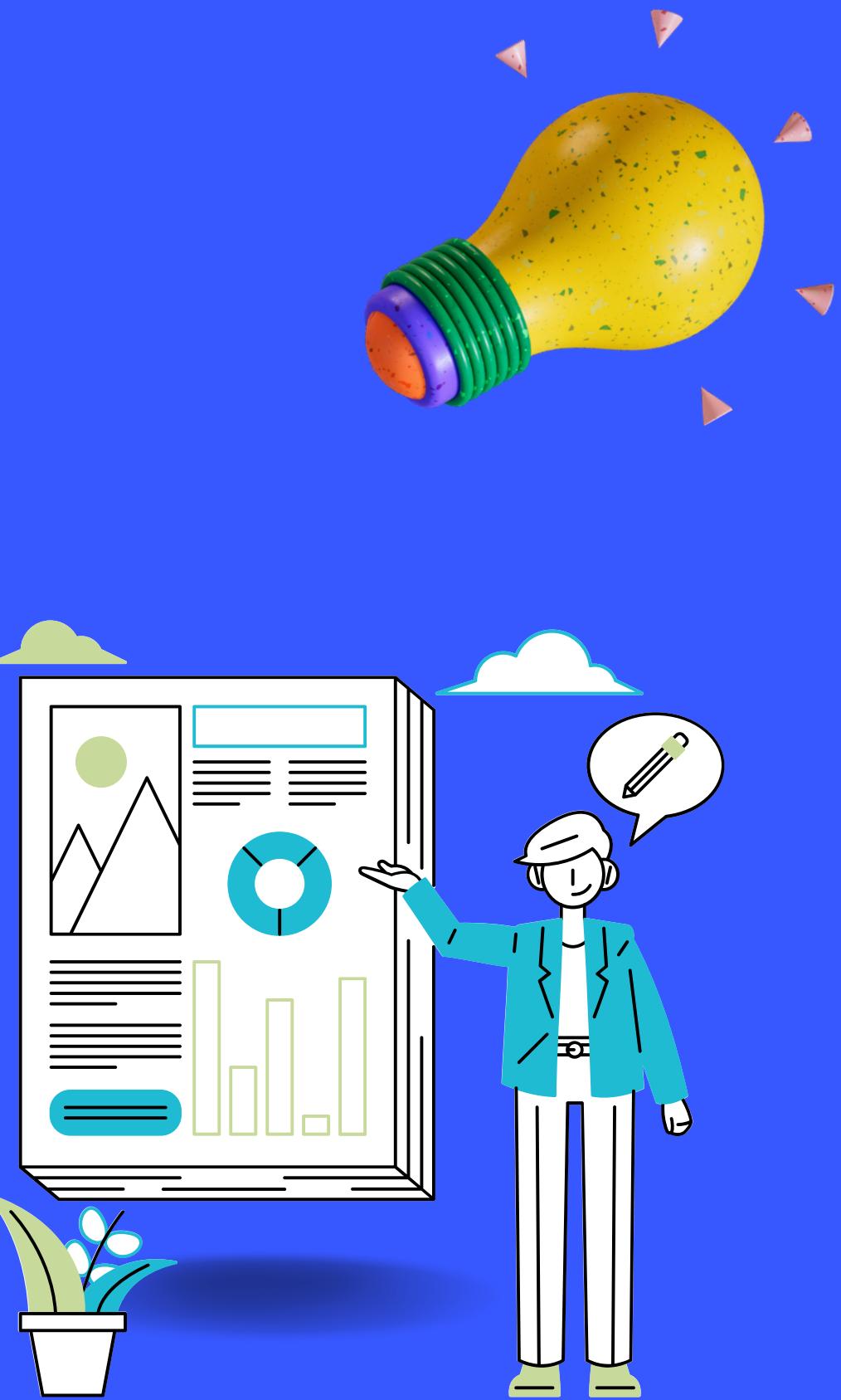
Designation

- Account Manager
- AEM Developer
- AM - Corporate Development & Strategy
- Analyst II |T500 - 6175
- Anaplan Engineer
- Android Developer
- Application Architect - Java |T500 - 7764
- Application Support Engineer - L2
- Applied Science Manager
- Architect



Conclusion

- Software domain has more job openings, indicating high demand.
- Bangalore city offers abundant job opportunities, especially in software.
- Experienced professionals have better job prospects.
- Freshers face tough competition in the job market.



Question & Answers



Q
A

A large, stylized orange letter 'Q' is positioned above a large, stylized orange letter 'A'. They are contained within a single speech bubble shape, suggesting a conversation or interaction between questions and answers.

Thank you

