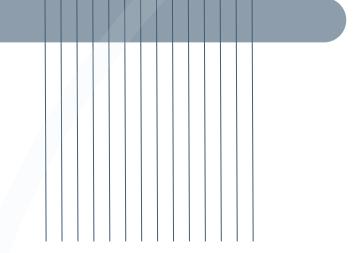# Navigating 📍
The Middle East Job Market: Insights and Trends from **Egypt**, **UAE**, **Saudi Arabia, Qatar, and Kuwait**

- This report analyzes job advertisements from **March 2024 to June 2024** across Egypt, the United Arab Emirates (UAE), Saudi Arabia, Qatar, and Kuwait. It highlights key metrics such as job distribution by employment type, job titles, number of jobs posted by company, and required skills.

- The data is scraped from various recruitment sites such as **Indeed** and **LinkedIn,Wuzzuf**

- I've developed a **BERT** language model that can **extract skills from job advertisements**. 🤗

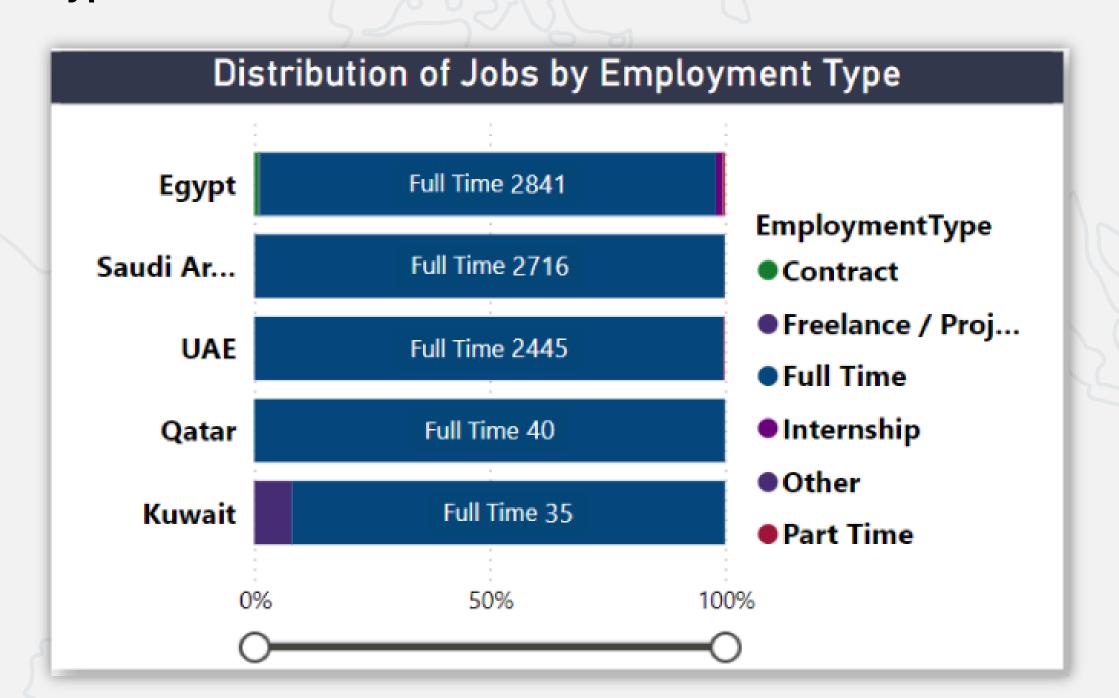# • An overview of the dashboard

Employment types

- **Overview of Job Distribution**
  - Total Number of Jobs: Highlight that the dashboard displays data for a total of **8,185** jobs.

1. **Jobs by Employment Type**
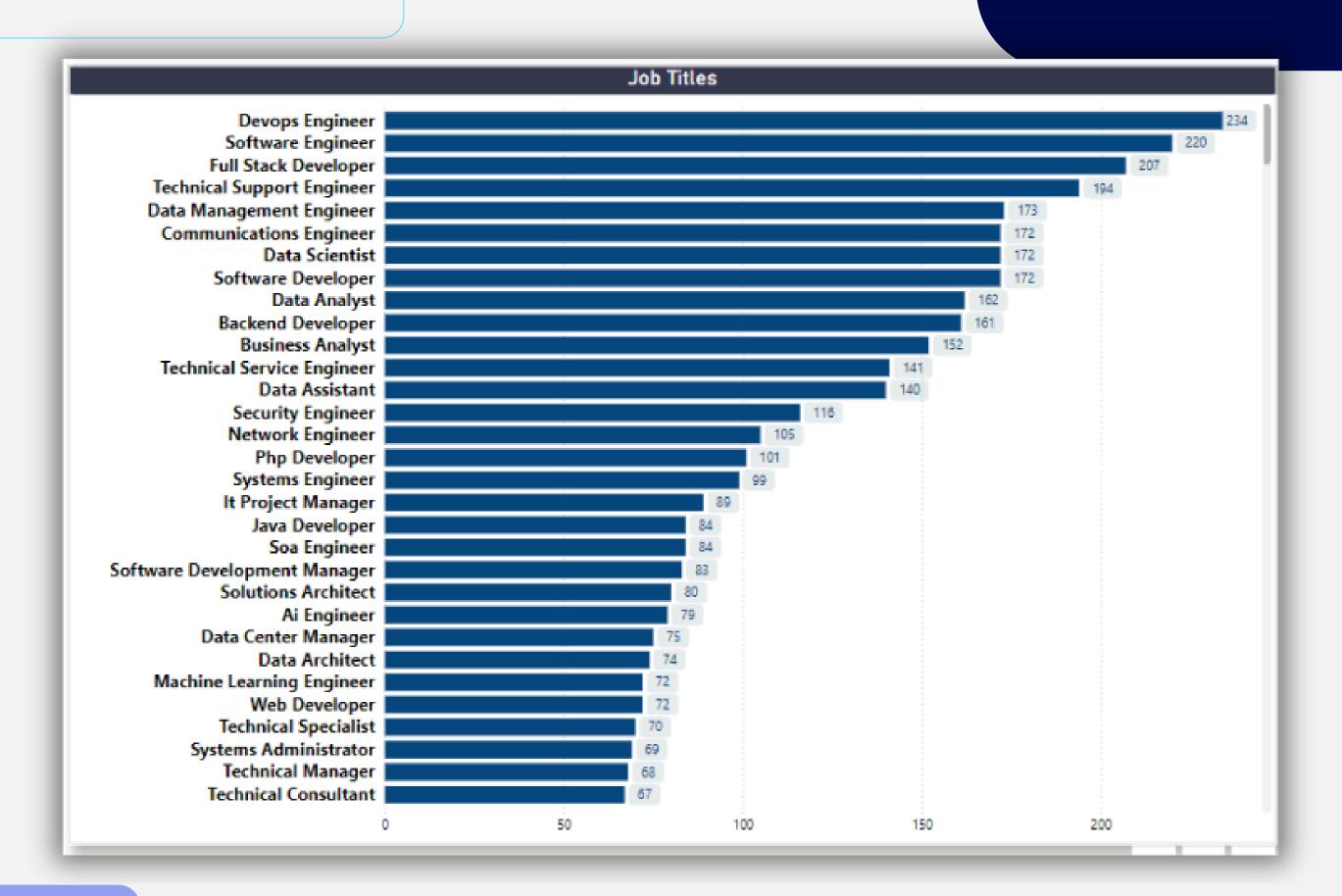
- **Full-time** jobs are the most common in Egypt, Saudi Arabia, and the UAE, followed by **contract and freelance/project and Remote** opportunities. Qatar also has mostly full-time jobs but with a smaller number of contract jobs available. Kuwait exclusively lists full-time roles.

Country	Dominant Employment Type	Other Employment Types
Egypt	Full-time	Part-time, Internship
Saudi Arabia	Full-time	Freelance/Project, Remote
UAE	Full-time	Freelance/Project, Remote
Qatar	Full-time	Contract
Kuwait	Full-time	Part-time

Job Titles

Most in-demand tech jobs

Job Titles

Job Title	Value
Devops Engineer	234
Software Engineer	220
Full Stack Developer	207
Technical Support Engineer	194
Data Management Engineer	173
Communications Engineer	172
Data Scientist	172
Software Developer	172
Data Analyst	162
Backend Developer	161
Business Analyst	152
Technical Service Engineer	141
Data Assistant	140
Security Engineer	116
Network Engineer	105
Php Developer	101
Systems Engineer	99
It Project Manager	89
Java Developer	84
Soa Engineer	84
Software Development Manager	83
Solutions Architect	80
Ai Engineer	79
Data Center Manager	75
Data Architect	74
Machine Learning Engineer	72
Web Developer	72
Technical Specialist	70
Systems Administrator	69
Technical Manager	68
Technical Consultant	67

3. Popular Job Titles

📍 **Egypt**

Job Titles

Job Title	Count
Software Engineer	121
Full Stack Developer	113
Devops Engineer	110
Data Analyst	98
Backend Developer	93
Data Scientist	88
Software Developer	75
Technical Support Engineer	72
Data Management Engineer	62
Php Developer	61
Project Manager	59
Communications Engineer	50
Technical Service Engineer	49
Quality Assurance Engineer	47
Java Developer	46
Business Analyst	45
Product Manager	45
Front End Developer	42
.Net Developer	41
Business Intelligence Developer	41
Frontend Developer	38
Data Engineer	36

3. Popular Job Titles

📍 **Saudi Arabia**

Job Titles

Job Title	Value
Communications Engineer	90
Data Assistant	83
Technical Support Engineer	80
Technical Service Engineer	73
Devops Engineer	67
Data Center Manager	66
Systems Engineer	61
Data Management Engineer	58
Network Engineer	54
Security Engineer	45
Business Analyst	44
Data Scientist	41
It Project Manager	41
Soa Engineer	40
Technical Specialist	40
Software Engineer	39
Full Stack Developer	37
Software Developer	37
Enterprise Architect	35
Solutions Architect	34
Technical Consultant	34
Software Development Manager	33

3. Popular Job Titles

📍 **United Arab Emirates**

Job Titles

Job Title	Value
Business Analyst	60
Software Engineer	60
Software Developer	59
Full Stack Developer	57
Devops Engineer	56
Data Management Engineer	53
Backend Developer	47
Data Scientist	42
Technical Support Engineer	41
Data Assistant	39
It Project Manager	39
Security Engineer	39
Solutions Architect	39
Systems Administrator	39
Ai Engineer	38
Data Analyst	36
Php Developer	32
Communications Engineer	31
Data Architect	31
Sharepoint Developer	31
Web Developer	30
Enterprise Architect	29

3. Popular Job Titles

📍 **Kuwait**

Job Titles

Job Title	Count
Research Analyst	5
Business Analyst	3
Business Intelligence Analyst	2
Security Architect	2
Backend Developer	1
Business Continuity Analyst	1
Business Intelligence Manager	1
Clinical Application Manager	1
Computer Technician	1
Data Analyst	1
Data Architect	1
Data Center Manager	1
Data Coordinator	1
Data Steward	1
Exchange Consultant	1
Information Security Manager	1
It Project Manager	1
Php Developer	1
Security Administrator	1
Security Engineer	1
Security Researcher	1
Soa Engineer	1

3. Popular Job Titles

📍 **Qatar**

Job Titles

Job Title	Count
Data Assistant	13
Service Desk Associate	2
Ai Engineer	1
Communications Engineer	1
Data Coordinator	1
Data Scientist	1
Devops Engineer	1
Director Business Systems	1
Director Software Development	1
Enterprise Architect	1
Flutter Developer	1
Health Systems Analyst	1
Implementation Specialist	1
It Risk Analyst	1
Java Developer	1
Php Developer	1
Service Desk Manager	1
Software Developer	1
Software Development Manager	1
Software Product Manager	1
Solutions Architect	1
Systems Manager	1

Key Findings:

- **Egypt**:
  - **Software Engineer, Full Stack Developer, and DevOps Engineer** are among the most common job titles.
  - Roles like **Data Analyst, Backend Developer, and Data Scientist** also have significant positions.
  - The tech industry seems to be thriving in Egypt.

- **Saudi Arabia:**
  - **Communications Engineers** and **Data Filead** have the highest number of positions.
  - Roles like **Data Scientist, Java Developer, and PHP Developer** are also present.
  - The job market in Saudi Arabia appears diverse.

- **United Arab Emirates (UAE):**
  - **Business Analyst and Software Engineer** have the most opportunities.
  - **Data Analysts, Web Developers, and Enterprise architects** are also in demand.
  - The UAE offers a variety of tech-related roles.

- **Kuwait:**
  - **Research Analysts and Business Analysts** have the highest positions.
  - Data Scientist, Security Architect, and Backend Developer are also present.

- **Qatar:**
  - **Systems Product Manager** has the most positions.
  - Roles like **Data Scientist, Software Developer, and Business Intelligence** Analyst are also available.
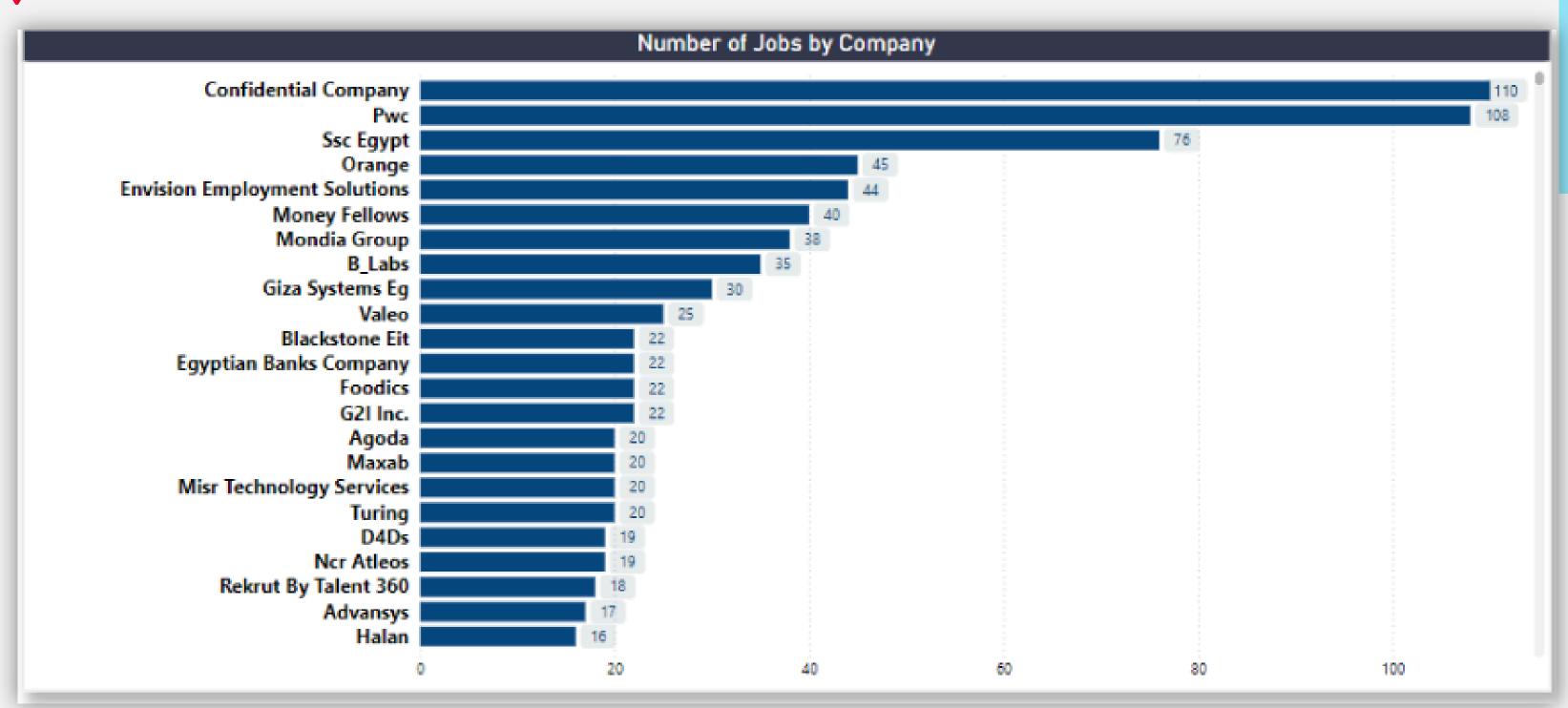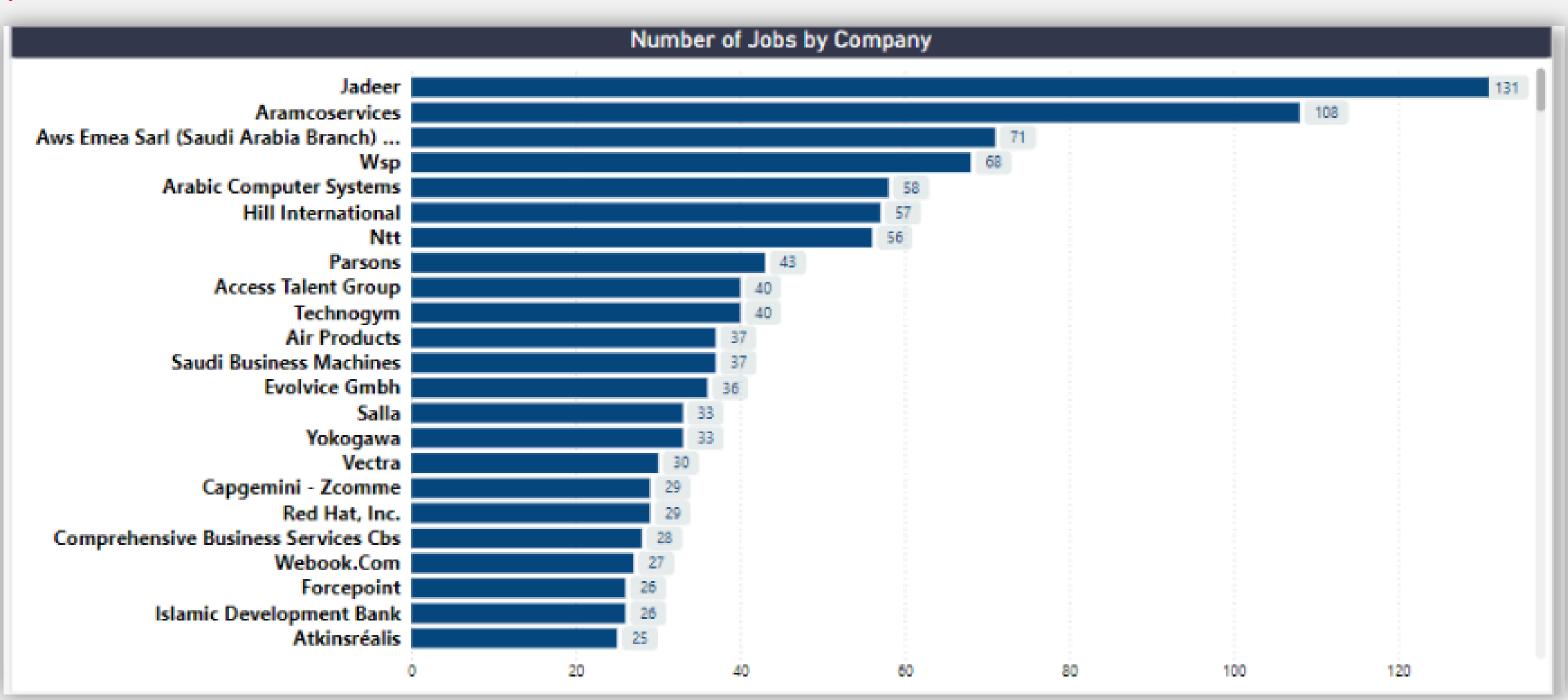
Key Findings:

- **Strong Demand for Software Development Skills:** Across all countries (Egypt, Saudi Arabia, UAE, and Kuwait), there is a significant demand for software development professionals, including Software Engineers, Full Stack Developers, Backend Developers, and Front-End Developers.

- **Data Science on the Rise:** The demand for Data Scientists and Data Analysts is growing rapidly in Saudi Arabia and the UAE, reflecting the increasing importance of data-driven decision-making.

- **Cybersecurity Expertise in High Demand:** Both Saudi Arabia and the UAE show a strong need for Cybersecurity professionals, highlighting the growing concern for cyber threats.

- **Cloud Computing Expertise:** While not explicitly mentioned in the images, the rise of Cloud Solutions Architects in the UAE suggests a growing need for professionals with cloud computing expertise.
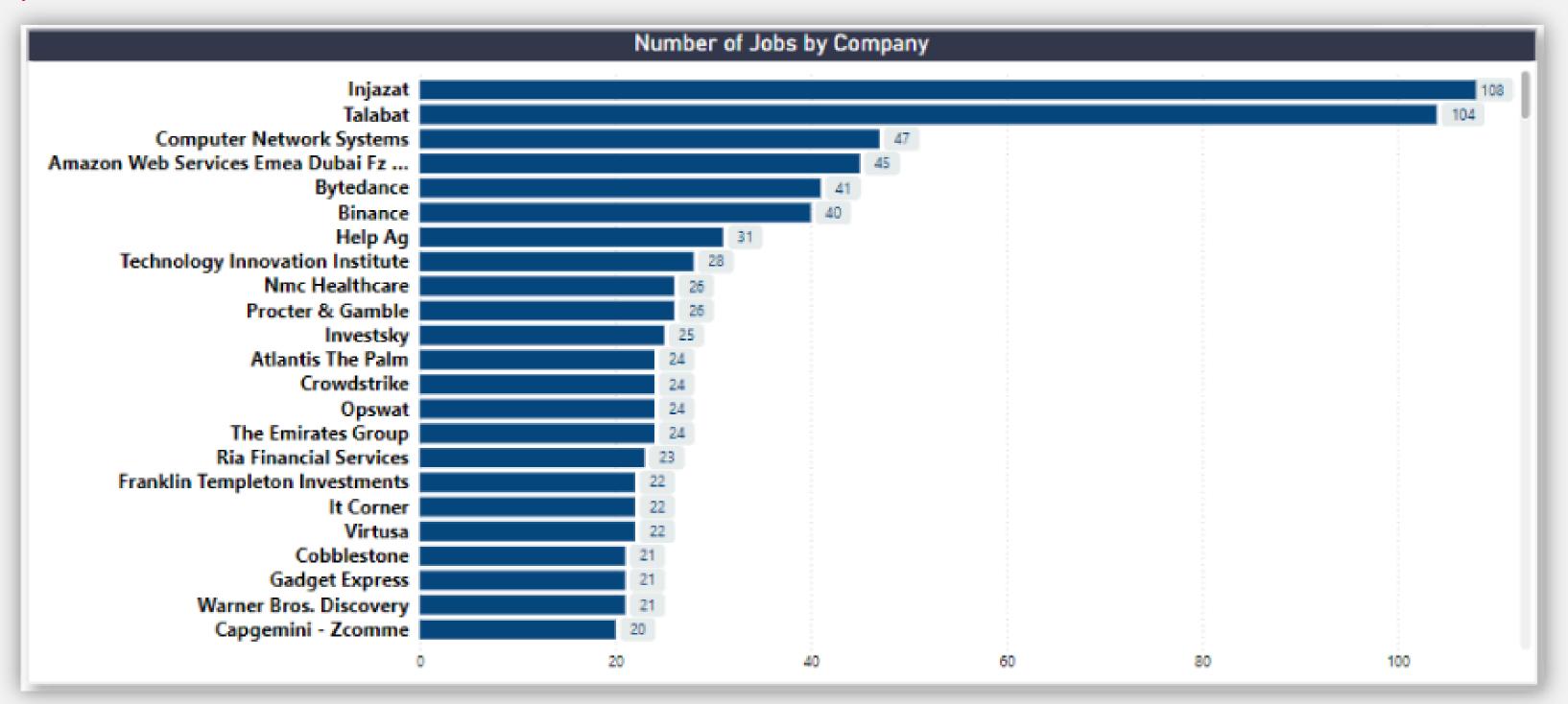
Companies

4. The most hiring companies
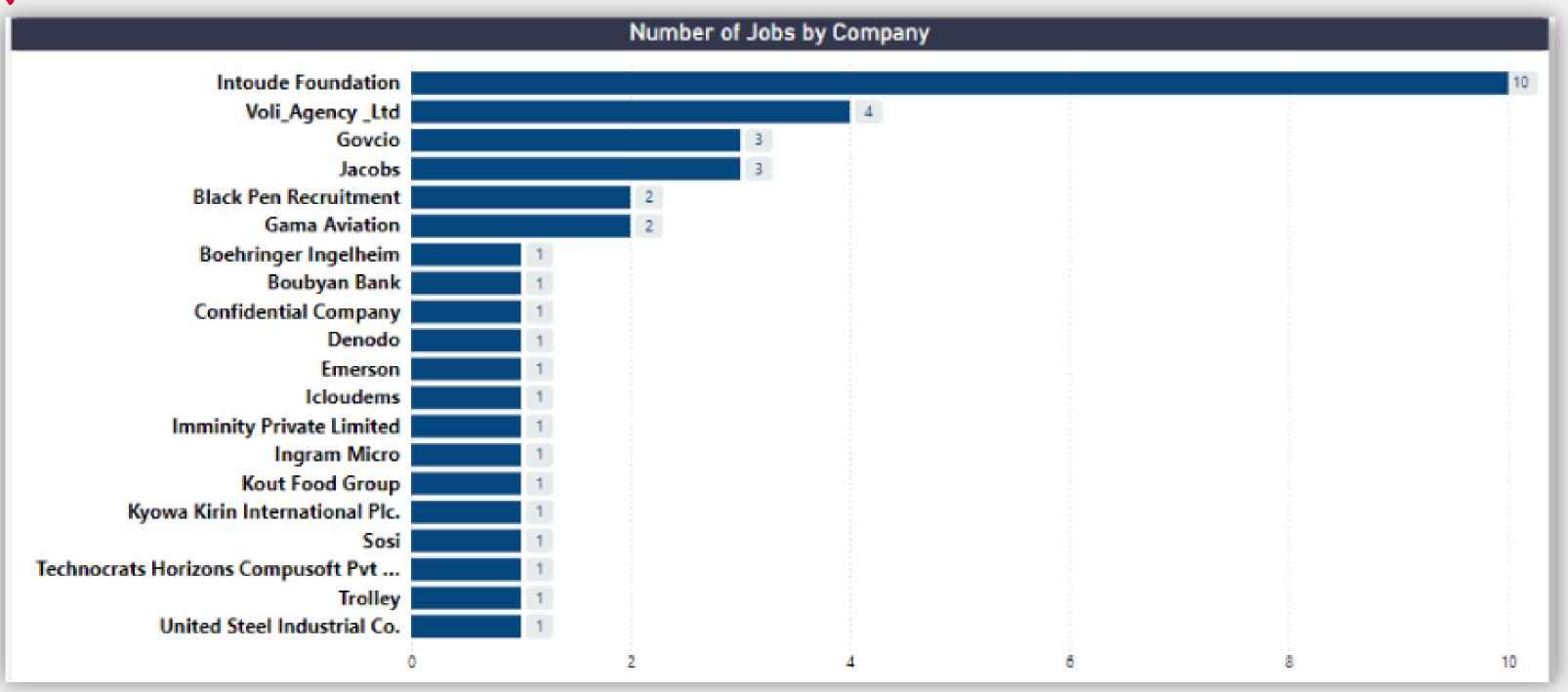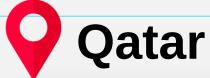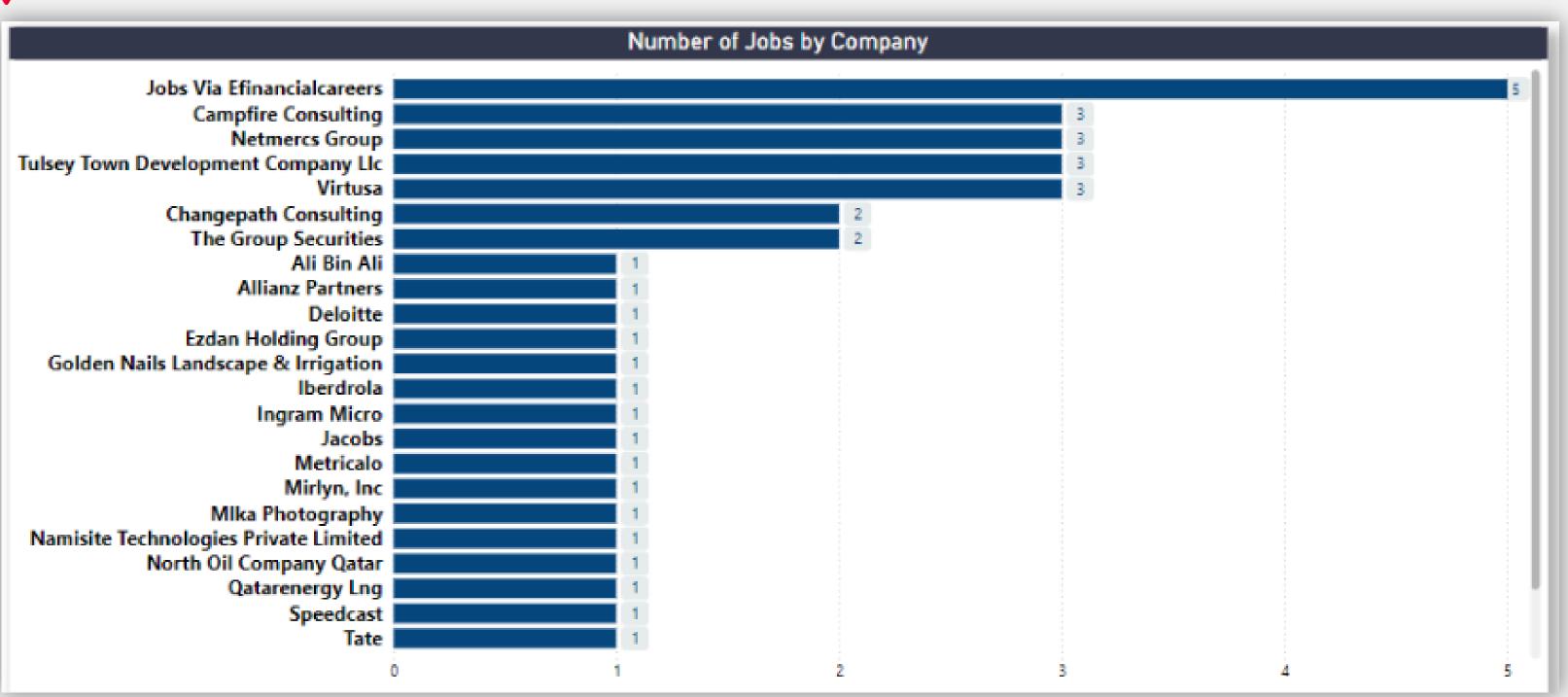
📍 **Egypt**

Number of Jobs by Company

Company	Number of Jobs
Confidential Company	110
Pwc	108
Ssc Egypt	76
Orange	45
Envision Employment Solutions	44
Money Fellows	40
Mondia Group	38
B_Labs	35
Giza Systems Eg	30
Valeo	25
Blackstone Eit	22
Egyptian Banks Company	22
Foodics	22
G2I Inc.	22
Agoda	20
Maxab	20
Misr Technology Services	20
Turing	20
D4Ds	19
Ncr Atleos	19
Rekrut By Talent 360	18
Advansys	17
Halan	16

4. The most hiring companies

📍 **Saudi Arabia**

Number of Jobs by Company

Company	Number of Jobs
Jadeer	131
Aramcoservices	108
Aws Emea Sarl (Saudi Arabia Branch) ...	71
Wsp	68
Arabic Computer Systems	58
Hill International	57
Ntt	56
Parsons	43
Access Talent Group	40
Technogym	40
Air Products	37
Saudi Business Machines	37
Evolvice Gmbh	36
Salla	33
Yokogawa	33
Vectra	30
Capgemini - Zcomme	29
Red Hat, Inc.	29
Comprehensive Business Services Cbs	28
Webook.Com	27
Forcepoint	26
Islamic Development Bank	26
Atkinsréalis	25

4. The most hiring companies

📍 **United Arab Emirates**

Number of Jobs by Company

Company	Number of Jobs
Injazat	108
Talabat	104
Computer Network Systems	47
Amazon Web Services Emea Dubai Fz ...	45
Bytedance	41
Binance	40
Help Ag	31
Technology Innovation Institute	28
Nmc Healthcare	26
Procter & Gamble	26
Investsky	25
Atlantis The Palm	24
Crowdstrike	24
Opswat	24
The Emirates Group	24
Ria Financial Services	23
Franklin Templeton Investments	22
It Corner	22
Virtusa	22
Cobblestone	21
Gadget Express	21
Warner Bros. Discovery	21
Capgemini - Zcomme	20

4. The most hiring companies

📍 **Kuwait**

Number of Jobs by Company

Company	Number of Jobs
Intoude Foundation	10
Voli_Agency _Ltd	4
Govcio	3
Jacobs	3
Black Pen Recruitment	2
Gama Aviation	2
Boehringer Ingelheim	1
Boubyan Bank	1
Confidential Company	1
Denodo	1
Emerson	1
Icloudems	1
Imminity Private Limited	1
Ingram Micro	1
Kout Food Group	1
Kyowa Kirin International Plc.	1
Sosi	1
Technocrats Horizons Compusoft Pvt ...	1
Trolley	1
United Steel Industrial Co.	1

4. The most hiring companies

Qatar

Number of Jobs by Company

Company	Number of Jobs
Jobs Via Efinancialcareers	5
Campfire Consulting	3
Netmercs Group	3
Tulsey Town Development Company Llc	3
Virtusa	3
Changepath Consulting	2
The Group Securities	2
Ali Bin Ali	1
Allianz Partners	1
Deloitte	1
Ezdan Holding Group	1
Golden Nails Landscape & Irrigation	1
Iberdrola	1
Ingram Micro	1
Jacobs	1
Metricalo	1
Mirlyn, Inc	1
Mlka Photography	1
Namisite Technologies Private Limited	1
North Oil Company Qatar	1
Qatarenergy Lng	1
Speedcast	1
Tate	1

Key Findings:

- **Egypt**:
  - The graph shows a concentration of jobs in certain companies, with "**PwC**" having the highest number of positions.
  - This suggests that multinational companies (**MNCs**) play a significant role in Egypt's job market.
  - The distribution landscape reflects the importance of sectors like **finance, consulting, and technology.**

- **Saudi Arabia:**
  - The graph highlights "**Jadeer**" as the company with the most jobs, followed by "**Aramcoservices**."
  - Localization efforts are evident, with local companies contributing to job creation.
  - The **pharmaceutical and energy sectors likely play a crucial role in Saudi Arabia's** job market.

- **United Arab Emirates (UAE):**
  - "**Injazat**" leads to job availability, **emphasizing the importance of technology and IT service**s.
  - The UAE's diverse economy likely contributes to job opportunities across various sectors.
  - Localization and attracting foreign investment are key trends.

- **Kuwait:**
  - "**Intoude Foundation**" dominates the job market, indicating a focus on specific industries.
  - Kuwait's young population and high standard of living likely influence job distribution.
  - Efforts to reduce import dependency and boost local production are evident.

- **Qatar:**
  - Notable companies with job openings include "Jobs Via Efinancialcareers," "Campfire Consulting," and "Netmercs Group
  - Qatar's focus on diversification, including distribution services, impacts job availability.
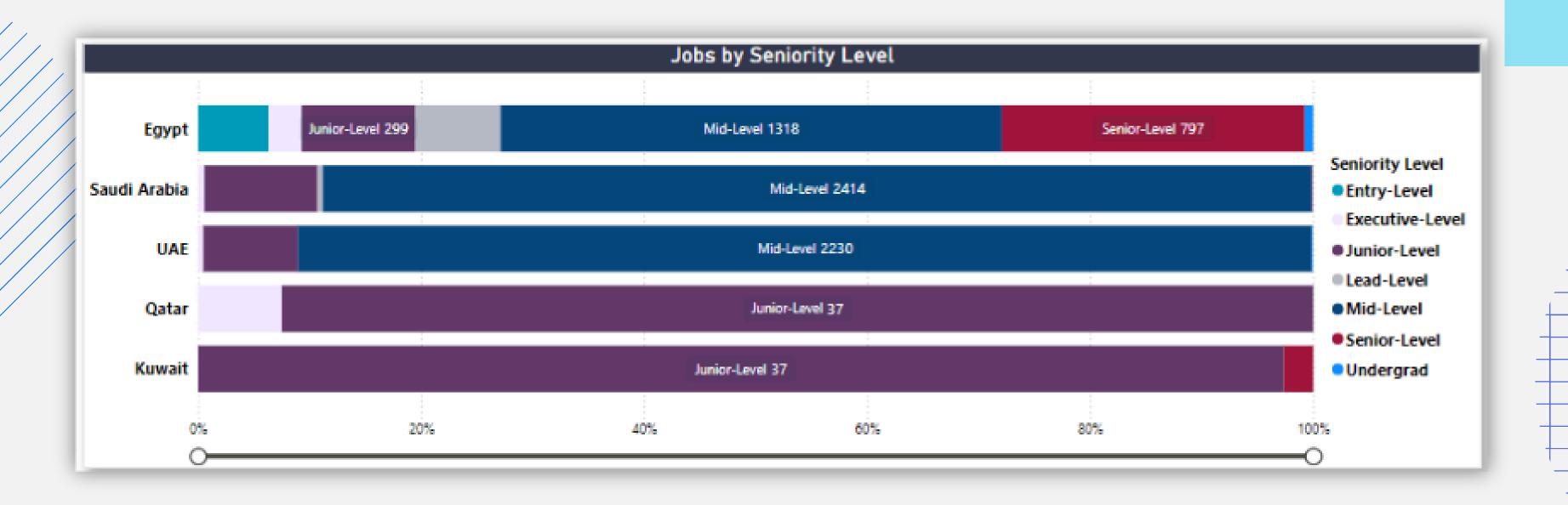
Seniority Levels

- **Professional Experience Levels and Corresponding Years of Experience (Normalized)**

Level	Years of Experience
Undergrad	0 year
Entry-Level	0-1 year
Junior-Level	1-3 years
Mid-Level	4-5 years
Senior-Level	6-8 years
Lead-Level	9-11 years
Executive-Level	12+ years

- **Distribution of Jobs by Seniority Level in Middle Eastern Countries**

Key Findings:

- **Egypt:**
  - The majority of job opportunities are at the **Mid-Level (1318 jobs),** making up the largest segment.
  - **Senior-level** positions are also significant (**797 jobs).**
  - **Junior-level jobs (299) and Entry-Level** jobs are present but form smaller segments.
  - **Executive-level** positions are present but make up a very small portion.
  - **Lead-level** positions are present, adding diversity to senior roles available.

- **Saudi Arabia:**
  - **Mid-level** positions dominate the job market **(2414 jobs**).
  - **Executive-level** positions are present, indicating opportunities for high-level roles.
  - **Lead-Level** positions are available, suggesting a demand for leadership roles in projects or teams.

- **UAE:**
  - Similar to Saudi Arabia, **Mid-Level positions are the most prevalent (2230 jobs)**.
  - **Executive-level** positions are present but make up a very small portion.
  - No visible representation of other seniority levels is shown, indicating a concentrated demand for Mid-Level roles.

- **Qatar:**
  - The chart shows a significant presence of **Junior-Level positions (37 jobs)**.
  - No other seniority levels are represented, suggesting a limited but focused job market at the Junior-Level.
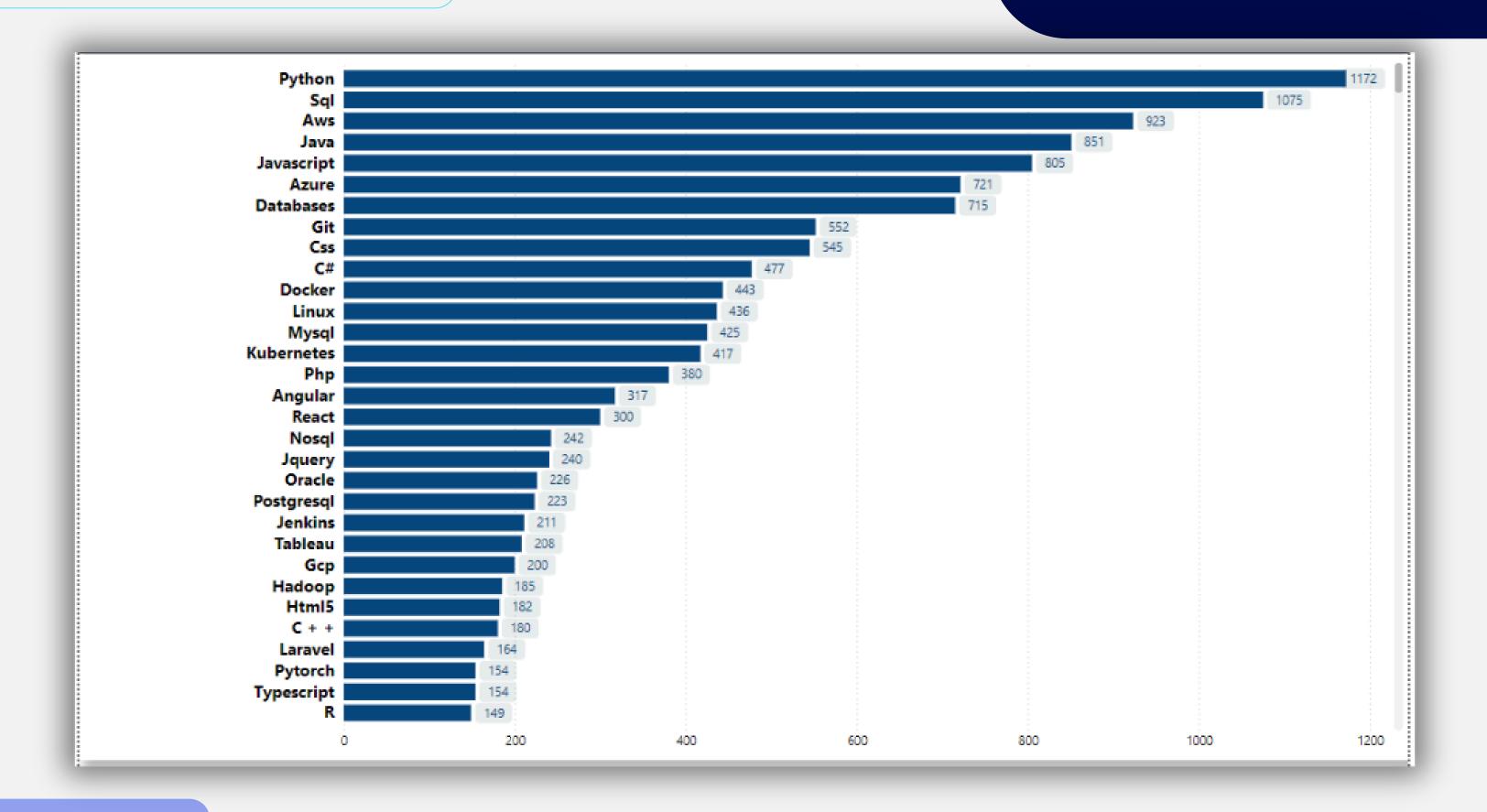
- **Kuwait:**
  - Similar to Qatar, there is a focus on **Junior-Level positions (37 jobs).**
  - No other levels are represented, indicating a narrow job market at the Junior-Level.

Key Insights:

- **Mid-Level Dominance**: Saudi Arabia and UAE have a strong demand for Mid-Level positions, with no visible presence of other levels in the chart.

- **Balanced Distribution in Egypt**: Egypt shows a more balanced distribution of job opportunities across Mid-Level, Senior-Level, Junior-Level, Entry-Level, Lead-Level, and Executive-Level positions.

- **Limited Market in Qatar and Kuwait**: Both Qatar and Kuwait have a focused but limited job market, primarily offering Junior-Level positions. However, Qatar also has Executive-Level positions available.

- **Presence of High-Level Roles:** Egypt, Saudi Arabia, and Qatar offer Executive-Level positions, indicating opportunities for high-level roles in these countries.

- **Leadership Roles in Egypt and Saudi Arabia**: Both countries have Lead-Level positions, suggesting a demand for individuals to take on leadership roles in projects or teams.
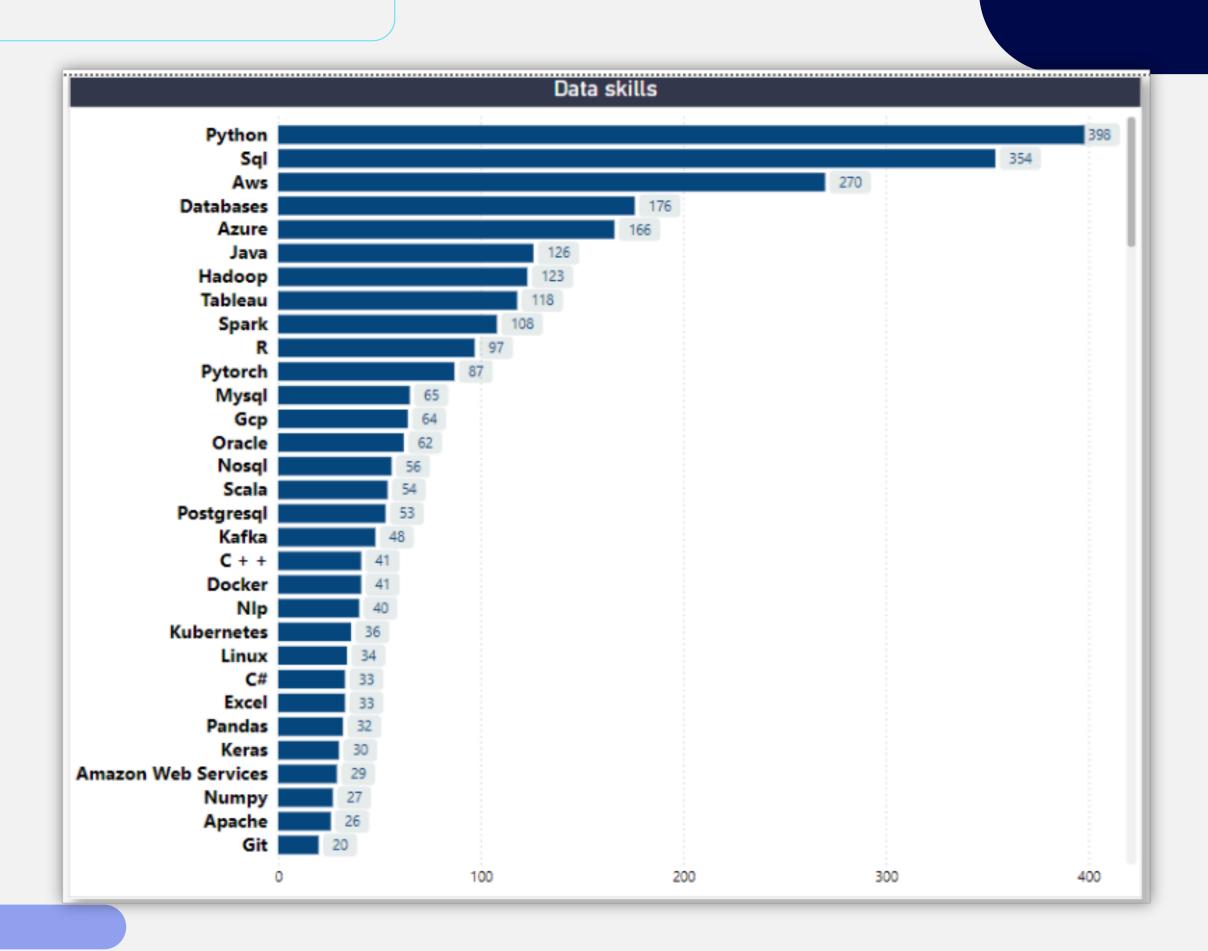
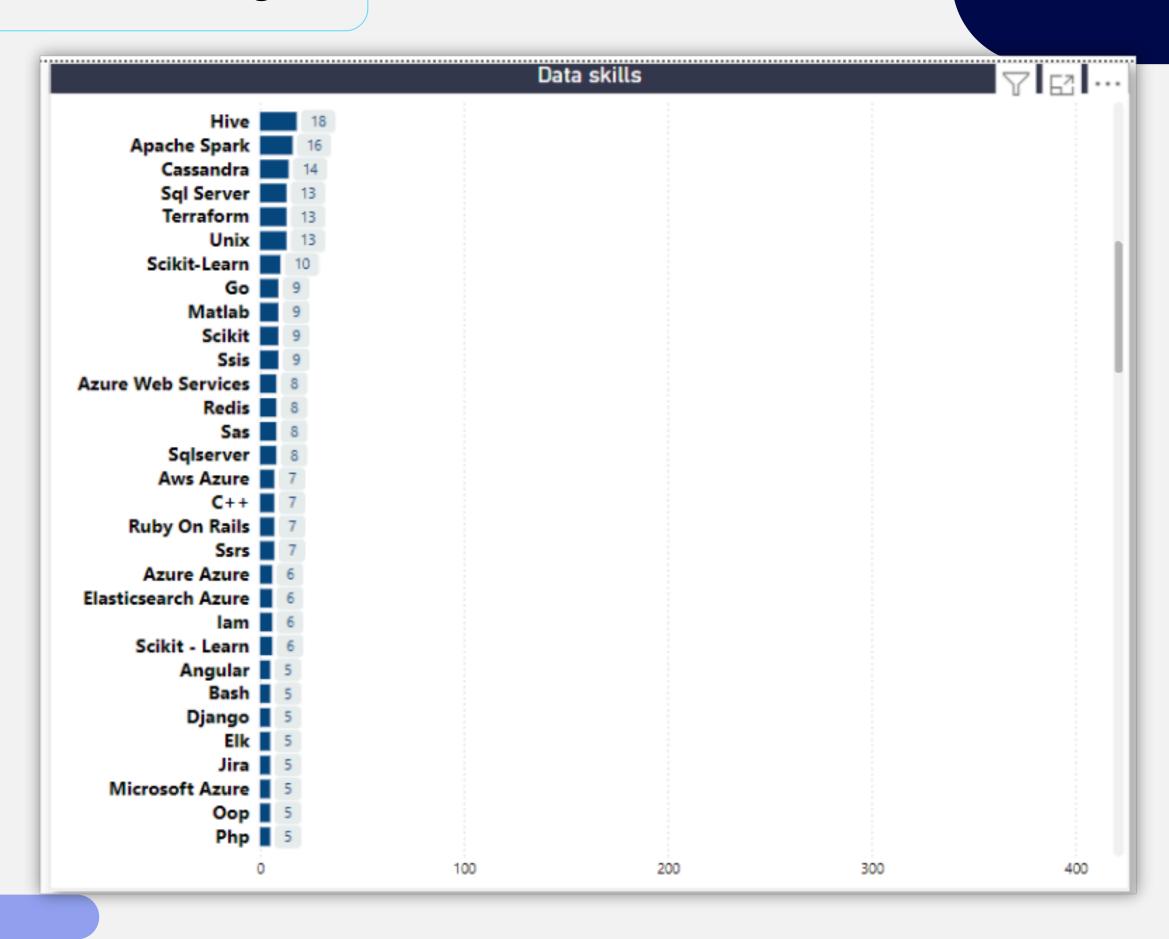# Top in-demand tools and skills for the tech industry

Skill	Count
Python	1172
Sql	1075
Aws	923
Java	851
Javascript	805
Azure	721
Databases	715
Git	552
Css	545
C#	477
Docker	443
Linux	436
Mysql	425
Kubernetes	417
Php	380
Angular	317
React	300
Nosql	242
Jquery	240
Oracle	226
Postgresql	223
Jenkins	211
Tableau	208
Gcp	200
Hadoop	185
Html5	182
C + +	180
Laravel	164
Pytorch	154
Typescript	154
R	149

Top Skills Powering the Data & AI Revolution

Data skills

Skill	Count
Python	398
Sql	354
Aws	270
Databases	176
Azure	166
Java	126
Hadoop	123
Tableau	118
Spark	108
R	97
Pytorch	87
Mysql	65
Gcp	64
Oracle	62
Nosql	56
Scala	54
Postgresql	53
Kafka	48
C + +	41
Docker	41
Nlp	40
Kubernetes	36
Linux	34
C#	33
Excel	33
Pandas	32
Keras	30
Amazon Web Services	29
Numpy	27
Apache	26
Git	20

Top Skills Powering the Data & AI Revolution

Data skills

Skill	Value
Hive	18
Apache Spark	16
Cassandra	14
Sql Server	13
Terraform	13
Unix	13
Scikit-Learn	10
Go	9
Matlab	9
Scikit	9
Ssis	9
Azure Web Services	8
Redis	8
Sas	8
Sqlserver	8
Aws Azure	7
C++	7
Ruby On Rails	7
Ssrs	7
Azure Azure	6
Elasticsearch Azure	6
Iam	6
Scikit - Learn	6
Angular	5
Bash	5
Django	5
Elk	5
Jira	5
Microsoft Azure	5
Oop	5
Php	5

Our latest analysis dives deep into the employment and financing landscape in Egypt, UAE, Saudi Arabia, Qatar, and Kuwait. Here are some of the key insights:

- **Employment Types:**
  - Full-Time Jobs: Dominant across all countries.
  - Freelance & Remote Work: Notably present in Saudi Arabia and UAE.
  - Contract Roles: Available in Qatar.

- **In-Demand Job Titles:**
  - Egypt: Software Engineers, Full Stack Developers.
  - Saudi Arabia: Communications Engineers, Data Scientists.
  - UAE: Business Analysts, Software Engineers.
  - Kuwait: Research Analysts, Business Analysts.
  - Qatar: Systems Product Managers.

- **Key Skill Trends:**
  - Software Development: High demand across all countries.
  - Data Science: Growing rapidly, especially in Saudi Arabia and UAE.
  - Cybersecurity: Significant need in Saudi Arabia and UAE.
  - Cloud Computing: Emerging importance, particularly in UAE.

- **Hiring Companies**
  - Egypt: PwC leads the market.
  - Saudi Arabia: Jadeer and Aramcoservices are top employers.
  - UAE: Injazat is a major player.
  - Kuwait: Intoude Foundation dominates.
  - Qatar: Jobs Via Efinancialcareers and others are notable.

- **Job Levels:**
  - Mid-Level Roles: Predominant in Saudi Arabia and UAE.
  - Balanced Distribution: Noted in Egypt across various seniority levels.
  - Junior-Level Focus: Seen in Qatar and Kuwait.
  - The report highlights the dynamic and evolving job market in the Middle East, driven by technological advancements and the growing importance of data-driven decision-making.

Thanks

Do you have any questions?
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