



BHADALE GROUP OF COMPANIES
- IT AND REAL ESTATE



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Data Science Q&A guidelines

Bhadale IT Developers Pvt. Ltd | Bhadale Real Estate Developers Pvt. Ltd (registration due)

Plot No. 52, Hindwadi, Belgaum, KA, India | Mobile: +91- 9741040195 | Website: TBD

Bhadale Group of Companies consists of Bhadale IT Developers Pvt. Ltd and Bhadale Real Estate Developers Pvt Ltd.

1. **Bhadale IT Developers Pvt. Ltd** is an IT and Computer Engineering company

This company provides consultation in areas of cutting edge technologies, research outsourcing, and software consultation related to data center and related engineering practices

2. **Bhadale Real Estate Developers Pvt. Ltd** is a Real estate company

This company provides development of Infrastructure for IT Datacenter and allied sectors. It manages the engineering design, landscaping, civil architecture, presently serving internal projects.

Bhadale Group of Companies has aggressive programs in place to serve the niche market.

Bhadale IT Developers Pvt. Ltd Programs and Services

IT Division programs

- 1 Cloud Architecture
- 2 AI
- 3 Digital
- 4 Automation
- 5 R&D services
- 6 Engineering services
- 7 Mentoring Services
- 8 Data center services
- 9 Outsourcing

There are various services offered under each program, details are described below

IT Division program related services

Cloud Architecture

- Cloud Enterprise Architecture
- Cloud Business Architecture
- Cloud Information / Website data Architecture
- Cloud Solution Architecture
- Data center Virtualization and Cloud services (IaaS)
- Cloud Technical Architecture – Project specific
- Cloud ERP Solutions (SaaS, PaaS)
- Cloud Strategy and Transformation
- Cloud Systems Integration and consolidation
- Cloud Project Management
- Cloud Pre sales support
- Business Needs (RFI/RFQ/RFP assistance)
- Cloud Quality Initiatives
- Cloud Business Analysis
- Cloud Infrastructure Planning – hardware , network, storage , backup (IaaS, PaaS)
- Cloud business portfolio assessment services (workshops)

AI

- Artificial intelligence and advanced machine learning
- Intelligent applications, Intelligent things
- Conversational systems
- Mesh app and service architecture
- Adaptive security architecture

Digital

- Virtual reality and augmented reality: Brief capability, deliverables and service offering
- Digital twins
- Blockchains and distributed ledgers
- Digital technology platforms

Automation

- Robotic Process Automation
- IoT
- Manufacturing robots
- BPO call center robots
- Chatbots
- Remote workers
- Hazardous jobs robots(Mine bombs, nuclear waste, underwater, space etc)

R&D services

- PHD mentor, buddy
- BPO - Outsourced work in areas of research areas related to IT and Computer Engineering

Engineering services (Only Engg)

- Engineering services for Data centers
- Engineering services for IT Departments
- Engineering architectures, drawings, road ways, town house planning, parking, safety, outdoor maintenance, lighting etc
- All other aspects of engineering: Civil, electrical, water and sewage, safety and mechanical motors, pumps, refrigeration, cooling

Mentoring Services

- IT Mentoring
- Engineering Mentoring
- Business Mentoring
- Mentoring for special categories based on age, and disabled
- Mentoring for special professionals like Military and Govt. officials under Govt. Programs

Data center services (Engg + IT)

- Data center Engineering services
- Data Center IT Services
- Data center Security services
- Data Center QA services
- Datacenter Cloud services
- Datacenter compliances services
- Data center based business solutions

Outsourcing

- Insourcing
- Outsourcing
- Near sourcing
- Cloud sourcing
- BPO services
- IT specific services
- Engineering specific services
- Training specific services

Service details for Bhadale IT Developers Pvt. Ltd**IT Division programs – IT Mentoring - Data Science****Background:**

Preparing for Interview / conducting interview has always been a very much hot topic, as it leads to a pass or fail binary like decision that might not always represent true merit of the individuals to perform a job, leading to false positives, underperformance, loss to company and investors. On several occasions, it is seen that the interview is highly biased and merit is not always a factor that is considered. Poor communication or lack of intelligence or intentional selection of non eligible candidates based on origin, religion, language, and skin color has always been a challenge. Even though several corporate claim and make big advertisements about the ethical practices, it might not always be true. It has been observed that many rejected applicants were the best and deserved a career progression; however human intelligence has always been a barrier for many eligible job seekers. There are several occasions where candidate claims to have more years of experience than the history of the product, sounds strange. Most of resumes are worthless piece of paper and most screening officers have less than 10 seconds to make a decision. This is a standard practice which is the most serious one. It is like choosing a life partner based on a 10 second decisions which in most cases is wrong.

Purpose:

Key purpose of this interview set of Q&A is to bring about the true capability of the candidate, compare with other candidates and judge the candidates from a fair, neutral, and non-biased criterion. To reduce the risks of hiring non eligible candidates, we see that applicants know most basic questions and have practical knowledge to perform a duty satisfactorily. It is not necessary that hands on is required as IT industry is evolving rapidly and many do not have the required hands-on.

Limitations:

This is not an assessment of the qualifications or to see if candidate meets the eligibility criteria. Nor the interview will award a license/ diploma / certificate to endorse the skills or educational requirements. Especially, for international applicants it is advised to get educational assessments, licenses, language tests completed prior to application. This is not a human resource interview however few questions might appear to keep the focus on hiring.

Process:

Interview should be administered without knowing the applicants' personal attributes (Passport number, SSN, Driving license, and Tax numbers), religion, origins or resident status. Even though name and phone numbers can reveal applicants origins, however it should not be a parameter used for short listing. Unnecessary distractions like gaps in educations, non –employment, remote calls, friends, neighbor, relative, community members all these add no value to the process and should be avoided if you need a right candidate to complete your project. Reservations of any sort are not acceptable. This interview outcome will surely help in avoiding age old hiring practices and focuses on hiring the right candidate.

Data Science Q&A**General and open ended Q&A (different types of responses are possible)**

1. What is Data Science?
2. Why is Data Science so popular and in demand
1. What is the key purpose of using Data Science?
3. Why Data Science is a disruptive technology
4. In general, how do you feel Big Data will help the industry grow?
5. How Data Science will add value to projects and help human become more productive
6. How do you differentiate Data Science from Big Data?
7. What is the relationship of Data Science from Big Data?
8. Can you explain few use cases and real world examples?
9. What are the typical steps/ process used for Big Data projects
10. What are the key technologies used
11. Who are the key players, courses and certifications that you feel are best suited for this project in hand
12. What are the tools you have used?
13. Why should we hire you for this position, please explain the unique skills you have
14. Do you have a service catalogue, if so what are the services you offer
15. What best team structure you prefer, are you a sole contributor, team player or a decision maker. Can you explain how your services are mapped if you played each role
16. Can you explain one project that you were successful and one that was very challenging?
17. Do you think your degrees and skills are great to be called a Specialist, if so can you map your learning's to the Data science platform
18. Where do you feel will be Data Science after 5 years from now
19. What are the possible research areas where you can contribute effectively with unique ideas and solutions
20. Have you written a thesis, white paper or article and published your code to public rep. like GitHub
21. Can you name few names of researcher / laureates / organizations that you feel have made Big Data mature
22. What do you think about the benefits and misuse of Data Science, ethics, laws, cybercrime, data security
23. Do you hold Professional licenses, certificates in this technology as most of our jobs prefer PhD from a reputed institute with good grades
24. Being an international graduate how well are your academics / courses graded in an international market situation and how do you plan to support this for this technology
25. How do you think Big Data will help reduce human made errors (intentional/unintentional), reduce crimes, inside trading, improve productivity and offer decision makers with better insights to make the best move?
- 26.

Technical and Product specific (more precise answers are expected)

1. Algorithms (pseudo code)
2. Data structure (block diagrams)
3. Architectures (Layers)
4. Transactions (types and outcomes)
5. NoSQL
6. DB structure types
7. Parallel processing
8. Data cleansing, ETL
9. HW/SW/NW/ InfoSec changes needed for a successful project
10. Troubleshooting, testing, QA
11. Process for specific use cases (draw the sketch / block diagram)

12. Data center layouts/ configuration
13. Containers, virtualization
14. Typical code scripts snippets/ diff. languages used across the process)

The above content is a minor set of sample in area of Data Science. Further work is required to meet your exact requirements. We are happy to offer our services in helping you in resource hiring and offer you a realistic situation of the job market needs.

Disclaimer: Company logos, trade names, protected words, graphs all belong to respective owners, we have used here for illustrative and educational purposes.

For further details please contact

Bhadale IT Developers Pvt. Ltd

CTO: Vijay Mohire, +91-9741040195; Email: vijaymohire@gmail.com