August 20, 2018

Why a Bachelor level of education in a specific field of study is a prerequisite for entry into the proffered position:

Mr. Amit Prasad is a B.TECH in Computer Science and PG-DAC from ACTS having 100+ months of experience in banking and finance domain and served organizations like Harman(former Symphony Teleca),IG and Wipro Ltd .He is a collaborative engineering professional with substantial experience in designing and executing solutions for complex business problems involving large scale data warehousing, real-time analytics and reporting solutions. Known for using the right tools when and where they make sense and creating an intuitive architecture that helps organizations effectively analyze and process terabytes of structured and unstructured data.

Education: Mark sheets for each of 8 Semesters and Degree Attached

Bachelor of Engineering (**4 years, 8 semesters Course**) in Computer Science and Engineering, 2001-2005.

How Academic Background Helped:

In 4 years (8 semesters) of Engineering, focus was not only on core Computer Science and Engineering subjects but in order to be flexible we were **also taught Mathematics, Physics and various Computer/IT/Machine Learning related subjects along with professional IT/Programming courses** at various phases which laid the foundation of my professional career in IT/Programming by helping him to understand:

- JAVA
- Artificial Intelligence|Nural Network.
- MIS|Operation Research|Computer Networks.
- Software Engineering |Compiler Design |Computer Graphics|Operating System.
- Physics| Chemistry| Maths| Electrical| Basic Electronics| Data Structure.

Business Unit

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Below are the various subjects and courses Employee studied in his 4 years and 8 semesters of engineering which laid the foundation for his Professional career in IT/Programming:

Subject/Course Studied in Engineering/CDAC	Semester in which Studied	Importance of Course
Engg. Chemistry , Engg. Physics , Engg. Maths-I Communication Skill , Basic Electrical Engg, Computer	1	Mandatory for all engineering branches . These subjects will make the base of an engineer .
Engg Chemistry , Basic Civil Engg, Engg Maths-II, Basic Mechanical Engg.	2	Mandatory for all engineering branches . These subjects will make the base of an engineer .
Engg Maths-III , Computer Fundamental , Discrete Maths, Basic Electronics . Network	3	These subjects are specefic to computer science as to build base in computer engineering.
Engg Maths –IV, Object oriented programing in C++ , Data Structure, Analouge and digital circuits, Logic design and	4	Mathematics is useful for decision-making processes or when a manufacturing group needs to determine the best alternative to solve a problem. For instance, mathematical
System Programming , Computer oriented numerical methods , Microprocessors and Micro computer , Database and	5	System programming is an essential and important foundation in any computer's application development, and always evolving to accommodate changes in the
Software Engineering , Compiler design , Operating System , Computer Graphics , Computer system architecture	6	Software engineering is the study and application of engineering to the design, development, and maintenance of software. Compilers provide you with the theoretical
Management Information System , Operation research , Computer Networks ,	7	Management Information Systems is of paramount importance to reach effective decisions in an organization. Operations research is a quantitative
Parallel Computing , AI and expert system , Neural Networking , Java Programming	8	Management Information Systems is of paramount importance to reach effective decisions in an organization. Operations research is a quantitative

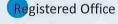| Opearting system concepts , C++ and datastructure , J2SE Core Java , Windows programming using win32, Web Programming	CDAC	Focused trainning on vital tecnologies used in IT industry world wide.

Professional experience:

- Expertise in Core Java.
- Good Experience in developing Scala spark application for the data analytics using spark core , spark sql and spark streaming
- Good experience in cloud Data Lake.
- Good experience in Amazon Web services. (EC2 S3 REDSHIFT)
- Good Experience in Developing Applications using Servlet and JDBC.
- Good Experience in Developing Applications using Spring & Hibernate Frameworks.
- Experience in Production Support and Release.
- Experience in maven for building of the application.
- Implementation knowledge of Multithreading and Concurrency.
- Implementation knowledge of Collection Framework.
- Implementation Knowledge of Spring cloud Framework.
- Implementation knowledge of Enterprise Service Bus.
- Knowledge of Web Services, Map reduce , Hive , Pig, JENKINS , GIT, Agile development.

About Current Role:

- Involve in Preparation, Reviewing , developing and Execution of development use cases.
- Involve in coding for the enhancement requirements and production defect fixes for the frameworks after analyzing the specifications and business requirements
- Performing End-to-End Testing of the Frameworks.
- Involve in requirement gathering and application designing.
- Involve in writing functional specification document.

Key skills/ Tool required for the job are:

- Core Java| Spring| AWS| Kafka| Spark| Redis| Hadoop eco System| Snowflake| scala| python| Unix| Spring cloud| Hibernate

Responsibilities:

- Understanding the business requirements and functional specifications of the client module
- Contribute to the design of Big Data architecture.
- Maintain contacts with customer leaders and analyse requirements and service quality and sort out any relevant issues.
- Develope and support various business application using JAVA , SPRING, PYTHON , SCALA , UNIX and Big Data Technologies like SPARK , AWS , KAFKA ,HADOOP etc.
- Perform Unit Testing and support integration , User acceptance testing .
- Deploy newly developed application into DEV/QA and PROD regions.
- Support bug fixes and other technical issues.
- Coordinate between onshore and offshore team for seamless project delivery.
- Guide team members in development , deployment and testing of Big Data applications.
- As point of contact for the offshore team , will have daily meetings with the offshore team members to understand and clarify their doubts.
- Will share the technical requirements with the offshore team members , where ever applicable and explain the functional and non functional requirements of the project.
- Identify the process gaps and provide alternatives to the project team.
- Generating proxies and buddy testing and peer code review.
- Build functional specification and develop technical specification and functional and technical specification review.
- Write stored procedures , development of database scripts , triggering , review test cases , test procedures , unit / regression / integration testing of converted load module.
- Identify customer's business flow and gap analysis, provide recommendations in key strategic areas involving competitor performance.
- Prepare design documents, design patterns, prepare component design specification / feature design specification and time estimation.
- Develop enhancements, system documentation, and production support and implement procedures for quality improvement and development.
- Implement exception handling, Develop code for data access and designing of user interface.
- Identify customer's business flow and gap analysis, provide recommendations in key strategic areas involving competitor performance.

How education and Experience helping you to perform proffered position/ current Role.

Mr. Amit Prasad is B.tech in computer science and his profile holds all nieche tecnologies which is best suited for current role as well as for proffered position .Since he has 100+ months of IT experience in java/j2ee including 36 months of Big Data experience (aws, spark, kafka, redis, hadoop, java/j2ee)in BFSI domain ,it makes his profile best suited to take up any challenging role.

Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Sincerely,

Dibya Dalai
Principal Consultant
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