Vijay Narasimhamurthy

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1) **Currently working as –**

   Visiting faculty at Xavier Institute of Management and Entrepreneurship (XIME), Bangalore

   Visiting faculty at Christ University (International program), Bangalore

   Visiting faculty at ISME Business School, Bangalore

2) **Previously – from 2018 July to 2019 Aug – worked as Adjunct faculty at Presidency, Bangalore.**

3) **Prior to 2018 – Worked as a software professional, Technical Architect from 1990 to 2018 for about 28 years.**

   Area of expertise – Information Technology, Data Science, Machine learning, Artificial intelligence, IOT, Databases, Cyber security, Blockchain Technology, Business Analytics, Big Data Analytics, Data Mining, Visual analytics, Advanced Tableau for visual analytics.

Date of Birth: 07/23/1966

Age: 55 years

Education:

1) **Master of Science (M.S.) in Computer Science**
   GPA 3.8 / 4.00 (honors)

   Georgia Institute of Technology, Atlanta, Georgia, United States

   of America Specialization: Computing Systems

2) **Bachelor of Engineering (B.E) in Computer Science**

   80% (1984-1988)

PDA College of Engineering, Gulbarga University, Gulbarga Secured 1 rank to university and university gold medal.

3) Pre-University Course (PUC)

National College, Basavanagudi, Bangalore

(1983-1984) 97% (PCM)

Secured 157th rank at the Karnataka Entrance Test (CET) conducted for

engineering colleges admission.

During M.S. program at Georgia Tech, about 60 projects were executed using Java, Python, PHP, C, C++, Javascript, HTML, Shellscript etc. as part of the MS program covering various subjects/topics using latest technology. Also took a Data Science and data analytics course at the Georgia Tech.

Very familiar with data science, IOT and data analytics concepts. Worked on
several projects in Python / Pandas, R, related to Data Science,IOT,Big Data and Analytics with Hadoop,databases.

Brief Profile:

- **30+ years of Global IT Industry experience across the globe including USA, Europe, Asia.**

- **Worked for multiple companies like HP, IBM, Deloitte consulting and LabCorp and managed and executed many projects successfully.**

- **Managed several teams across many companies, understood business needs and provided IT solutions and provided a great user experience in multiple business units.**

- **Management experience in defining deliverables and get different stakeholders on-board to achieve success in transforming the business requirements to a great product.**

- **Experience in seeking input from peers to iterate and present the blueprint to the senior management to get them on-board.**

- **Experience in building required processes with focus on accuracy efficiency and scalability.**

- **Experience in ensuring training of personnel involved and identify specific/periodic training programs if necessary.**

- **Extensive experience in identifying issues, modify blueprint and processes related to it, which will lead to better outcome.**

- **Experience in building and managing the team.**

- **Demonstrates integrity, values, principles and strong work ethic.**

- **Have experience in the ability to work with multiple stakeholders and navigate complex environment.**

- **Exhibits strong leadership qualities and skills.**

- **Has experience in leading and managing large scale projects.**

- **Has experience in conducting due diligence.**

- **Strives for operational excellence.**

- **Possesses excellent delivery management, team management, and leadership skills.**

About me:

I have about 30+ years of total professional experience in the computer science field ranging from software development, testing and implementation, Database management including extensive experience in relational data modelling, enterprise architecture and system architecture and networking. I was also involved in many corporate training programs to provide technical training to many of the member staff of the development team.

Total software industry experience -   30

Here is the breakdown of Industrial experience working across the globe mainly in USA, Europe, Asia.

2014 – 2018 May -   At Labcorp ,USA as

Lead Project Analyst / Engineer (Lead Manager of the Project)

- Working on a billing re-engineering project. Developed applications in Java/spring/DB2/JDBC, Hibernate, Python, PHP, Javascript, HTML, CSS etc. Performed code reviews. Performed extensive Impact analysis on the various projects, created Business rules documents, Technical impact documents, Technical specifications document. Familiar with agile process methodology.

- Performed the role of SME (Subject Matter Expert) in various business areas and helped team with core business changes and impact analysis.

- Performed the role of system architect, define the entity relationshipmodel, define the database model.

- Worked with DBAs extensively to define the database architecture and provided solutions to the performance issues that reduced the runtime of the applications significantly.

- Wrote the functional specification and reviewed Business Rules Documents, Technical Impact Documents, Technical specifications Documents from time to time and ensured that the documents meet the business requirements as demanded by the business community.

- Worked with many stake holders of the company that make business decisions and made sure that the software is reflected with those business changes and compliant to meet the end requirements of the business.

- Responsible for life cycle models, Integrated development environment, Version control, requirement gathering, requirement engineering, Object oriented software engineering principles.

2001 – 2014 -   At LabCorp , USA as

Lead Project Analyst / Engineer

- Technical Lead on a project with DB2/Oracle relational database backend. Developed applications in java/DB2, SQL performance analysis, Performance tuning, query optimization, management reporting tools creation via SQLs etc.

- Performed the role of system architect, define the entity relationshipmodel, define the database model.

- Worked with DBAs extensively to define the database architecture and provided solutions to the performance issues that reduced the runtime of the applications significantly.

- Performed the role of SME (Subject Matter Expert) in various business areas and helped team with core business changes and impact analysis.

- As technical lead, reviewed Business Rules Documents, Technical Impact Documents, Technical specifications Documents from time to time and ensured that the documents meet the business requirements as demanded by the user community.

- Worked on various compliance applications meeting the requirements of HIPAA regulations, CMS guide lines, Medicare, Medicaid and third party private insurance regulations.

- Managed a team that developed user interface applications in Java/Hibernate with DB2 as backend.

- Provided production support 24/7 in the production environment.

1996 – 2001 – Analyst International, USA (A software consulting firm) as Technical Consultant

- Worked with the bank client in preparing the complete requirements of the system.

- Worked for many companies like HP, IBM, Deloitte consulting and executed many projects successfully including Java/JDBC/Oracle/DB2/SQL.

- Wrote technical specifications.

- Prepared a detailed design document of the system.

- Developed applications in Oracle 7.0/ 8.0

- Tested and debugged systems.

- Interacted frequently with users on system issues and fixed them diligently.

- **Maintained and supported systems.**

- **Managed several teams across many companies including HP, IBM, Emerson etc. to understood business needs and provided IT solutions and** managed teams that provided greater user experience in multiple business units.

1990 – 1996 - General Electric Medical Systems - Milwaukee, WI

As an Analyst/Programmer for a Large Manufacturer of Medical Equipment: (Worked thru WIPRO systems,Bangalore)

- **Worked in General Electric medical systems applications developed in IEF(coolgen, ca:gen – CASE toools) , DB2, MVS/JCLS. This is a mainframe based project**

- **Performed extensive analysis of system requirements and wrote technical specifications.**

- **Worked on the Analysis and fixing of production problems logged by users. This includes fixing of program abends, JCL changes, code changes with respect to specification modifications to meet the new requirements, version control and updating the specifications.**

- **Prepared a detailed design document of the system.**

- **Analyzed Batch and online programs for performance and made code changes to improve performance. New online and batch programs were written to improve performance.**

Programming languages familiar with:
JAVA, Python, PHP, C, C++, Javascript, HTML, SQL, Shellscript etc.

Databases familiar with:

MySql, DB2, Oracle, IBM network and Hierarchical databases.

Operating systems familiar with:
Ubuntu ,Linux, Android, Windows.

Also, I have expert knowledge in the following areas that includes industry experience in many of the following areas. Also conducted many corporate programs in many of the following areas building courses on virtual machines and cloud environments.

1) Advanced database management systems.

2) Advanced algorithms

3) Information security

4) Cryptography

5) Database Management Systems

4) Network security

5) Computer Networking

6) Knowledge based Artificial Intelligence: cognitive systems

7) Software architecture and design

8) Software development processes

9) Software analysis and testing

10) Educational technology

11) Big data for Health informatics

12) Human computer Interaction.

13) Cyber physical system security

14) Data Science and Data analytics.

15) Educational technology

16) IOT concepts and practices

17) Blockchain Technology

Awards and Prizes:

1) Received university gold medal at Gulbarga University for securing 1st rank.

2) Obtained honors degree at M.S. program at Georgia Tech by securing a GPA of 3.8 / 4.

3) Leader of Innovation award for adopting best technologies and practices for the architecture - at IBM.

4) Outstanding employee contribution award at LabCorp.

5) IBM certified DBA (DB2 relational database administrator)

6) CEO award at Wipro Systems for outstanding contributions on projects for GE electric - USA.