

Education:

University of Texas, Arlington Texas

Master's Degree, Computer Science (SE & DB) (3.30/4.0)

Aug 2016 – May 2018

BVCOE, Mumbai University, India

Bachelor of Engineering, Information Technology

Aug 2010 – May 2014

Certifications:

- AWS Certified DevOps Engineer– Professional.
- AWS Certified Developer – Associate 2018. (SEV004QCLJ411Q34)
- AWS Certified Solution Architect.
- AWS certified SysOps Administrator.
- Certified Docker master -Udemy.

Links:

<http://aws.amazon.com/verification>
<http://aws.amazon.com/verification>
<http://aws.amazon.com/verification>
<http://aws.amazon.com/verification>
<https://www.udemy.com/certificate/UC-LP0R32RC>

Technical Skills:

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|-----------------------|--|
| Programming Languages | : Java (Hibernate, Spring, Boot), C++, Python. |
| Web Technologies | : HTML, JSP, JavaScript, React, Node.js, CSS, XML, JSON, Bootstrap, Bash-script. |
| Development Tools | : Eclipse EE, Vim, AWS CLI, SSH, Putty, GIT, Sublime, Cmdr. |
| AWS Services | : S3, ELB, EBS, EC2, Cloud-Formation, SNS, SQS, SWF, Lambda, VPC, Route53, CORS, S3 version control. |
| Database Technologies | : MySQL, AWS RDS, Oracle 11g, AWS Dynamo-DB, MongoDB, Redis, Memcached, Redshift, SQL Server 2012 R2. |
| Others | : Docker 18.04, Nginx MS Azure, MS Dynamics CRM, Flask, SDLC, Apache/Tomcat Server, Maven, Ansible, Junit, J-meter, BVA. |
| Operating Systems | : Windows (2007, XP, 8.0, 8.1, 10), Linux –(Ubuntu, Mint). |

Professional Experience:**Full Stack Developer. (Independent)**Feb 18 -Present (www.allaboutmetoday.com)

Worked as full stack developer to develop my website from its requirements phase to production deployment phase. (www.allaboutmetoday.com) This website is personally managed website hosted on AWS t2 micro EC2 instance which helps recruiter to contact me directly by visiting my profile and guide new AWS learners to learn more about AWS platform through articles and labs.

- Agile approach is used to develop the website along with following technologies.
 - Technologies: JavaScript, Nodejs, React, Redux, HTML, CSS.
- DevOps tools used for continuous delivery, maintaining, monitoring and deploying new changes made in website.
 - DevOps tools: Git, GitHub and Ansible, AWS CloudWatch, AWS APIs, AWS CLI.
- Aws resources which are extensively used for virtualization and hosting are given below.
 - Aws Services: VPC, Subnets, S3, Route53, DynamoDB, EC2 t2 micro Ubuntu, CloudWatch, ELB, IAM, Ngnix.

Technical Consultant. (Microsoft Vendor)

April '15 – July '16

Wipro Pvt Ltd (India)

Major Key responsibilities were to solve problems on the client side related to MS dynamics CRM.

- Played a key role in importing and exporting of large user data using ETL tools, designing custom workflows, reports (SSRS, SSIS), dashboard and business process flows in MSCRM at client side. Additionally, writing dynamic scripts on custom forms using JavaScript and Node.js (react).
- Worked on customizing sitemaps on different modules of CRM. Additionally, contributing in federating users from AD, adding security roles and creating access policies, developing and importing managed and unmanaged solutions. Hands on experience in MSCRM online 2013, 2015 update 1.1, 0.2 and 2016.
- Hands on experience on database technologies (SQL Server) including indexing and performance issues on SQL Server.

Projects Experience:**Algorithms.**

(C, C++, Data Structures, Java Sockets)

- Implementing basic to NP complete problems/Algorithms.
- Implementing Ring Election Algorithm for Distributed systems.

Cloud and Database Projects

(Node.js, React, Java script, JSP, Python, AWS lambda, AWS API, AWS EC2, MS Azure, NoSQL, SQL)

Implementing advanced database technologies using leading cloud services

- Implementation of NoSQL mongo-db. Creating complex objects in Mongo Database by importing data from RDB.
- Implementation of Rigorous Two-Phase Locking (Wait -die) using hash table to decrease race condition in data access. This algorithm is used to resolve real world read after write and Write after Write conflicts.
- Conversion of data stored in RDMS to XML. Converting Relational data from tabular format to XML format using Java API.
- Picture Sharing application is built on MS Azure using application service and SQL database. Deployed using Azure plugin for Eclipse.
- Calculating efficiency of the SQL queries in milliseconds on the MS azure Cloud SQL Database, later optimizing the query access time by storing frequently accessed data in Redis cache database.
- Data Visualization in the form of Pie, bar and Scatter Charts. Deploying this dynamic web application on MS Azure App service.
- Auto Scaling of EC2 instance using ELB. Deploying web service on EC2 instance (Tomcat server). Testing it with JMeter Stress tool.
- Building a serverless application and deployed on AWS using AWS lambda, S3 and APIs to convert the text written to MP3 file.
- Picture repository application deployed on IBM Bluemix (liberty java) using Java servlet and DB2 SQL database.

Networking Projects

(Java Sockets, Java Swing, Python, XML)

- Weather Report Client. Python application which gets the weather report from Service End point(<https://graphical.weather.gov>).
- Instant messaging Systems. Developed using Java Socket programming.
- Direct sequence spread sequence (DSSS), simulation using Java swing, java sockets and J-free chart libraries.

Computer Architecture-Cache Projects

(Python-pip, request, CAT programs)

- Developing an assembler and virtual machine to implement direct mapped, two ways set associative, and I plus D cache.

Web Development Projects

(NPM, java-script, React components, SQL, CSS)

- Creating a React app using Node Package manager (npm) and building a contact sharing responsive website.

Masters Coursework:

Advanced Algorithms | Distributed Systems | Software Engineering | Software testing | Advance Special topics Software Engineering | Database Systems | Advance Database and Cloud Computing. | Advance Computer Architecture | Computer Networks | Database Systems II | Programming Language Concepts | Wireless Networks | Theory of Computer Science | Discrete Structures.