Satya Prakash

Software Engineer

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Education

Year	Degree / Certificate	Institute / Board	Percentage
2017-2020	B.Tech	Guru Gobind Singh Indraprastha University	76
2017	Diploma	Board of Technical Education	77
2014	Class X	CBSE board	78

Experience

1. **Associate Software Engineer at Indus valley Partners** [Aug-2021 - Current]
   1. Working in Treasury Product for US and UK Hedge Funds.
   2. Tech used : C#, DotNet , NodeJs, SQL Server, REST, Oracle , SVN, BitBucket, SONAR, JIRA, Postman, Beyond Compare.
   3. Implemented Backend REST API to make XML Configurable for ColumnNameMapping across Different Products, Client, Services and CounterParties, in File & DataBase too.
   4. Integrated SFTP module and RAD (Rapid Action Design) Authentication with LoadMasterService with which different clients and products can use SFTP service to Trigger Enterprise Data Management Pipes.
   5. Implemented EDMController module & RAD Authentication for Treasury Product, which is used for Triggering EDM (Enterprise Data Management) Pipes with use of EDM provided exe or Direct REST API and made the API Configurations Configurable to be used across Different Clients and Products.

2. **Web Development Intern** [Jun2019 - July2019]
   1. Contributed to whiteboard for PepCoding's Doubt resolution module built using Vanilla JavaScript, HTML & CSS.
   2. Created undo-redo features for the board using Array and Stack by Storing Positions, Colour and width of the pen & Eraser.

3. **Instructor and Teaching Assistant** [Aug2019 - Sept2020]
   1. Took Java Foundation Batches: Related Coursework: Java Basics String , Arrays, Bit-Manipulation , TnS, Recursion, Dynamic Programming , Greedy, Generic Trees, Binary Trees, Linked List, Graph, HashMap, Heap, Searching & Sorting , Stack and Queues.
   2. Two Batches have been completed so far : helped students gain an optimal understanding of coding starting from absolute zero.

Projects

- **RDBMS Index Implementation using B-Trees.**
  1. Self Implemented Indexes of a mock RDBMS implementation using B-Trees to improve Query Performance.
  2. With Index RDBMS query is Served via Page Scan and with Index Created with RDBMS Query is Served via Index Seek Leading to lesser number of Data Page loads from hard Disk and A Higher Performance.

- **Automation**
  Made Automated HackerRank automation script that adds a user as a moderator to all the challenges created by user using High-Level Node Library called Puppeteer. Used JS promises and async await to parallel execute the task.

Technical skills

- **Programming languages :** Java, C++, Python, C#, JavaScript
- **Web technologies :** HTML5, CSS3, Javascript, Node, Express, Selenium, Chrome-WebDriver, Puppeteer, JQuery, BootStrap.
- **BRM Tools :** Customer Centre, Pricing Centre.
- **Version Control :** Git, Clear Case, BitBucket.
- **Database management :** SQL, MongoDB, Oracle.
- **Operating system :** Windows, Mac, Linux

Achievements

- Solved over **1000+** Questions based on Data Structures & Algorithms across GeeksforGeeks, LeetCode, HackerRank and PepCoding Website

- Rewarded with TAship in PepCoding and Provided backup Classes and HandMade notes on Various topics such as Recursion, Graphs, Dp, LinkedList, Stack & Queues, HashMap, Heap, Trees, Searching and Sorting.
- Won the first position in brocode event that took place in the cultural fest of Amity 'Avensis' with 2 team members.

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