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Arjun Subramanyam Varalakshmi

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Education

Master of Science in Computer Science	**May 2018**

University of Houston, Houston, TX – 77004

Relevant Coursework: Cloud Computing, Software Design, Database Systems.

Bachelor of Engineering in Computer Science	**July 2013**

University Visvesvaraya College of Engineering, Bangalore, India

Relevant Coursework: Algorithms, Object Oriented Programming, Data Structures.

Professional Experience

Software Engineer	**Subex Limited, Bangalore, India**	**September 2013 – July 2016**

Technologies Used: Ruby on Rails, Java, C++, Oracle 11g, bash scripting, Ionic framework

- Full Stack Developer in the R&D division of ROC Fraud Management Product at Subex Limited.
- Created, delivered and maintained scalable system architecture to support a high-availability web client with various internal applications.
- Collaborated with product management to design, build and implement new major enhancements into the existing software product.
- Strengthened developmental methodologies by introducing a code review tool called Review Board.
- Developed a RESTful API and created a mobile app for the existing product to consume the API.
- Developed code fixes and enhancements for inclusion in future code releases and patches. Identified and suggested new technologies and tools for enhancing product value and increasing team productivity.

Academic Projects

Movie recommendation system using Social Media Data	September 2016

Technologies used: Twitter API, Python, Mahout, Spark, Amazon AWS

- It recommends movie for certain customer based on the data available related to that user in the social media.
- Recommends trending movies to the user based by analyzing the data sets from Twitter API and Movie lens. It uses K-means clustering, canopy clustering algorithms.

Cell-Sense: An energy efficient GSM positioning system	September 2016

Technologies used: Android SDK, Java, Google maps API

- An android application that helps user in determining his current location and providing directions to the destination, used RSSI (Received Signal Strength Indicator) to determine the location of GSM phone and Google Maps API for displaying the directions on map.

Technical Skills

Programming Languages: Java, Ruby on Rails, C++, Shell scripting, JQuery, HTML, CSS3, SQL

Frameworks/ Tools: Gradle, Tomcat, Eclipse, Intellij, SQL developer, Unicorn, Ionic, MS-Office, AWS

Database: MySQL, Oracle, PostgreSQL

Operating Systems: Cent OS, RHEL, Fedora, Solaris, Android

Awards and Activities

Subex Hat's Off Award: Received it twice for excellence in performance and commitment to work.

Subex Bravo Team Award: Received for excellent team work and collaboration.

Volunteered for Houston Tech Fest held on September 2016.