DHRUV SANGVIKAR

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SUMMARY

Computer Science Master's student, with 3 years of professional experience in full-stack software development. Proficient in developing software from the ground up, data engineering, continuous integration processes and agile methodology practices. Highly experienced in integrating APIs and creating scalable solutions for Google App Engine and AWS.

PROFESSIONAL EXPERIENCE

Data Science Intern   **Doji Interactive LLC, Dallas, TX**   **June 2017 – Present**

Sole developer and designer of an intelligent chatbot to be used as a personal assistant for finance and forex trading through different channels like Skype, Telegram, and Slack (AskDoji.com).

● Successfully designed and delivered a scalable and multi-layered architecture for the chatbot backend from scratch. Implemented the solution using Google App Engine and LUIS.ai with Python, NLTK, Redis, MySQL.
● Integrated third party APIs from financial data sources to provide real-time information about the forex market. Recorded a daily user count of 500 in the first 5 months of releasing the bot application.
● Set up the continuous integration workflow using Jenkins and Google Compute Engine to streamline the deployment procedures of the various company websites.

Software Engineer - Applications   **ZS Associates, Pune, India**   **January 2016 – July 2016**

Responsible for development of new frontend UI features and backend functionality for a suite of web applications used for automating sales & marketing processes.

● Developed new features using C#, .NET, and MVC framework and front-end technologies like jQuery, AJAX, HTML, CSS3, BootStrap, Javascript, and Google Charts visualization library to enhance the application usability.

Software Developer   **Tavisca Solutions, Pune, India**   **July 2014 – December 2015**

Developed and tested XML/JSON-based, scalable and high-performance web services to unify and provide travel content APIs from multiple providers through a single API. Used C#, WCF, .NET amongst other technologies.

● Successfully developed a travel content aggregator from the ground up in a test-driven agile development method.
● As a side-project designed and developed a web application, that effectively reduced the time required to analyze during integration for new travel content provider by as much as 40%. Used MVC 5, C#, jQuery and SQL Server.

EDUCATION

Master of Science in Computer Science   *May 2018*
University of Texas, Dallas   *GPA: 3.74/4*

Bachelor of Science in Computer Science   *July 2014*
University of Pune, India   *GPA: 3.8/4*

RECENT ACADEMIC PROJECTS

● **Statistical Visualization of Genome Data**
A research project to visualize and depict genome data for statistical analysis and intuitive reading. Task involved data engineering and web development. Used Python and Flask with D3.js and Chart.js.
● **A Factoid Question and Answer System for the Movie Domain**
A Natural Language Understanding equipped system to parse and understand movie questions and answer using SPARQL semantic queries on Wikipedia. Used Python, NLTK and SPARQL libraries.
● **Predicting Box Office Revenue using Social Networks and Trends**
Given the social media buzz the movie is generating and the people involved in the movie production, estimate the box office revenue potential of the movie. Used Python, Scikit-learn, Scrapy libraries.

OTHER TOOLS

Jenkins, Git, Bash Scripting, UNIX, Linux, Redis, AWS & Google Cloud Platform, NGINX, Agile Methodology, Google Maps API, Facebook Graph API, Object Oriented Design, Excellent Analytical skills