Sonu Chavakula

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Efficient Full-Stack developer & Test Engineer with 3 years of project experience. Proficient in creating manual & automated case-specific testing procedures and web-based application testing for a variety of applications.

Skills:

- **Languages**: PHP, Java, JavaScript, jQuery, Swift & iOS Development, C, C#, C++, .NET, Angular, Python, HTML5 & CSS, SAS, PowerShell
- **Databases**: Oracle, MySQL, MongoDB, Maria DB, PostgreSQL
- **Agile Software Development Process**: Scrum & Scrumban
- **Tools**: Quality Center, Rally, Docker, Microsoft Office, Adobe Premiere Pro, Adobe After Effects, Adobe Photoshop, FileZilla, Brackets, XCode, Bootstrap, WordPress, Git, Github, WireShark, SharePoint, Eclipse
- **Cloud**: Amazon Web Services (AWS), Microsoft Azure
- Data acquisition and analysis

Education:

University of Missouri-Columbia (2014-2018)
- Bachelor of Science in Information Technology, Computer Science & Business Administration

Experience:

Biomedical Systems, St. Louis (June-August 2017)
- Interned in the Software Development Department
- Wrote scripts in Python, SQL & SAS to acquire & analyze data from their database
- Used PowerShell to automate various daily tasks i.e. populating excel spreadsheet with data

Languages:

- Spanish
- Telugu (Native)
- Hindi

Affiliations:

- *MCA (Mizzou Computing Association-University of Missouri) (2014-2018)*

Relevant Courses:

- CS 4320: Software Engineering I
- CS 3380: Database Applications and Information Systems
- CS 3330: Object Oriented Programming
- CS 2050: Algorithm Design and Programming II
- CS 1050: Algorithm Design and Programming I
- IT 4500: Mobile Application Development
- IT 4400: C# & .NET Development

Relevant Projects:

- **Smart Cryptocurrency Wallet**
  - <u>Overview</u>: Using Python scraping algorithms to scrape Google and Twitter news/trends to analyze the data and make a suggestion to the user regarding trades and investing your crypto currencies whether it is bit coin or any other popular crypto currencies. Display market cap data.
  - <u>Development</u>: Used Python scraping algorithms to gather data on new trends in the market using Google trends API. Used Python deep learning algorithms to analyze these trends and provide suggestions regarding trading your crypto currencies. Set up a MongoDB database to store all of our data. All of the front-end web development was done using JavaScript, jQuery, PHP, HTML5, CSS & Node.js. The website was hosted on Amazon Web Services (AWS).
  - <u>Environment</u>: *Python, PHP, MySQL, JavaScript, jQuery, HTML, CSS & Node.js (Agile)*

- **Database Applications and Information Systems: Startup Railway Company**
  - <u>Overview</u>: Set up a database on MariaDB for a startup railway company and develop a functional live website that is used to search/insert/update/delete data from the database. Website should contain user authentication and functionality of the site depends on what type of user (customer, engineer, conductor, administrator) logged on.
  - <u>Development</u>: Used SQL queries to insert, update, and delete the data from our database. PHP was used to link the webpages to the database in order to insert, update, and delete the date via the webpages. The front-end web development was done using HTML, CSS, JavaScript, jQuery and PHP. Website was hosted on Amazon web services (AWS).
  - <u>Environment</u>: *PHP, HTML, CSS, JavaScript, jQuery and PHP (Agile)*

- **iOS Application Development: Parking Panda**
  - <u>Overview</u>: A parking app set up similar to Airbnb, where owners of parking spots are able to rent out their spot for a set period of time and renters can find spots based on zip code or address. Users have an option to view the app in a map view or a list view depending on what they are most comfortable with.
  - <u>Development</u>: The app UI and user authentication was all developed using Swift. The map feature was handled using a Google maps API. The data was stored as JSON objects.
  - <u>Environment</u>: *Swift (Agile)*

- **Internet & Multimedia Systems: Personal Portfolio Website**
  - <u>Overview</u>: A personal portfolio website that displays my resume, my projects and my interests with user authentication in order to view my resume and projects.
  - <u>Development</u>: Used HTML5, CSS, jQuery and JavaScript to build the user interface. User authentication was handled using PHP, MySQL & JavaScript.
  - <u>Environment</u>: *HTML, CSS, PHP, JavaScript, jQuery (Agile)*