Junwon Jung

Palatine, IL 60074 | 224-409-1401 | junwon3329@gmail.com | http://jw3329.github.io

Education

University of Illinois, Urbana Champaign   May 2018
B.S. in Computer Science and Mathematics   Major GPA: 3.34/4.00

Skills

Programming languages: Python, JavaScript, C++, Java, PHP, HTML/CSS
Development tools: SQLs, NoSQL, AWS, Docker, Kubernetes, Jenkins, Git, Firebase
Frameworks: React.js, Bootstrap, Node.js (Express), Flask, J2EE, jQuery

Professional Experience

Tata Consultancy Services
Software Engineer
EDH (Enterprise Data Hub)   November 2018 - Present
• Orchestrated to unify multiple Oracle ERP databases to single data warehouse for non-prod environments using AWS Redshift
• Systemized and automated daily system status reports using Python, SQL, and Google Sheets API, which saved more than 15 hours of work each month
• Enabled full test suites that used to be run on 6 clusters to be performed on 2 testing environment clusters, which yielded in saving $21,600 per month
• Created a program to gather DB information of non-prod environment and visualized data on Google Sheet using Google Sheet API, pandas, and Python

Channel Merchandise Platform   September 2018 - November 2018
• Spearheaded team of 7 new grad engineers as a lead engineer, managing the team and guiding the project followed by Agile methodology. Strictly endorsed the strategy of git branching for new functionality
• Built an ecommerce platform where users could sell and buy television channel packages from scratch using Angular.JS, Java EE, JSP, and Oracle DB
• Founded 4 distinctive user roles, admin, operator, retailer, customer, with different permissions and UX accordingly
• Visualized transaction history page, which showed transaction chart based on different filters

Projects

whoami   Jan 2019 – Present
• Worked on frontend using React.js
• Developed to combine user's social media into one social media platform where users can see follow users' Facebook and Instagram photos and videos, Twitter's tweets, and listen Spotify music
• Implemented responsive whiteboard letting users drag and drop contents from social media using interact.js, and stored the location of whiteboard's coordinate and size of contents into MySQL database
• Created advanced grid view library to dynamically populate responsive contents

Grade View   May 2019 – Present
• Created a web platform to record and view grades for students as well as instructors
• Implemented basic functionalities including sign in, sign up, university and major selection, course taken and GPA upload, using React.js in FE and Flask, SQLite, and SQLAlchemy in BE
• Built advanced data visualizations using d3.js with aggregated professor, GPA, and course data

Actor Relator   Feb 2019 - April 2019
• Formed actor search application to identify actor related movies and actors graphically, working React.js, and Node.js Express
• Scraped Wikipedia page using Cheerio.js, applying BFS algorithm to gather recursively limiting number of nodes by input value
• Charted connection of input actor and its movies, movies and their actors into network graph in one glance using Vis.js where users can click the node which navigates to its Wikipedia page

The Movie DB Android   September 2017 – December 2017
• Maximized functionalities of mobile movie app such as searching movies and actors, watching trailer, rating movie, showing relative movies, personal profile, and recommended movies based on website backend API
• Stored every activity that users made into 3rd party cloud database, Firebase, and utilized tab which can track their recent activities through Firebase database
• Cached large size movie poster image into local storage which made faster loading for recent users without making API call