

# Sanjith Venkatesh

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## WORK EXPERIENCE

### Veeva Systems

Pleasanton, CA

#### Associate Software Engineer

July 2020 to Present

- Automate manual Git workflows, cutting processing times by 80% with Jenkins jobs written in Groovy
- Generate new pipelines for the automatic creation of isolated environments given the feature branches of multiple repositories
- Create JSON metadata modification scripts in Python for dev-integration environments, maintaining the sanity of each file to ensure no duplicate files
- Create documentation for all automated jobs to ensure proper usage by other developers
- Eliminate discrepancies in VPC pairing for testing environments by writing Python unit tests to identify duplicate VPCs and invalid pairings
- Develop database migration scripts in bash to assist in migrating 50+ customer databases to new product versions during production deployments
- Assist with weekly production deployment preparation and work with IT and development teams to ensure no customer disruptions

### Boston Consulting Group Platinion

New York City, NY

#### Data Engineering Intern

June 2019 to September 2019

- Designed and implemented name similarity models, using Pyspark and PostgreSQL, that would identify potential unique customers across 5 independent databases and ranging from 1 to 7 million records.
- Improved ETL pipeline efficiency by 33% by automating data loads from client to local servers and performing necessary cleaning to remove anomalies that would skew model results
- Contributed to Testatone source code by adding additional tests to allow corporations to run them with just a JSON file as well as a validator to check for syntax and anomalies

### Green Street Advisors

Newport Beach, CA

#### Data Science Intern

June 2018 to September 2018

- Created risk analysis forecasts of mortgage-backed securities through looking at 10 million loans and properties from 50 markets nationwide using Pandas and MySQL
- Developed a motherboard system for automatic downloading of 5 databases from various government and private websites using Selenium and BeautifulSoup, automating the retrieval process of new information

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## SKILLS

Experience: **Python** **Java** **Jenkins** **Groovy** **Git** **MySQL** **AWS EC2 and S3** **Vue JS** **R**

Exposure: **JavaScript** **HTML/CSS** **NodeJS** **Express JS** **C#** **Neo4J** **C++** **C**

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## EDUCATION

### University of California, Irvine

2016 - 2020

B.S. Software Engineering, B.S. Data Science , Irvine, CA

Co-Founder - Blockchain @ UCI

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## PROJECTS

YayNay - *Simplify Voting* [yaynay.avosapps.us](http://yaynay.avosapps.us)

Vue.js app powered by Leancloud and Express JS designed to help organizations run meetings more efficiently by organizing votes.

Stemme - *Fairer Voting* [WIP]

A Python library powered by MySQL and Tensorflow to host and predict elections using multiple voting methods.