

EMPLOYMENT

Software Engineer **Tarifica Ltd.** **Feb 2019 – Present**

- Developed a scalable architecture in which web scrapers were scheduled to run concurrently using Celery and Redis, with minimal configuration changes on the addition of a new scraper.
- Integrated CI/CD pipelines to the product using CircleCI, thus reducing feature and scraper deployment time by 90%.
- Setup permission-based REST APIs to access the scraped data from the database.
- Developed and integrated a role-based authentication system for the platform.
- Implemented reusable UI components in ReactJS for user authentication and displaying data.
- Leveraged Knowledge in Python, JavaScript, Django, ReactJS, Redis, Celery, PostgreSQL, CircleCI, Git, and Droplet.

Software Engineer **Emplay Analytics Inc.** **Jun 2018 – Aug 2018**

- Developed and deployed a feature for a chatbot to schedule and manage meetings via email using NodeJS.
- Developed a working NLP module to scrape, clean and label training documents (.ppt, .pdf, .txt, etc.).
- Prototyped a text classifier to provide NLP capabilities to the chatbot using pre-existing conversations.
- Integrated the scraper and classifier to allow the chatbot to return relevant docs based on a user's query.
- Leveraged Knowledge in Python, JavaScript, ReactJS, Redux, NLP, Git, Gensim, Git, NodeJS, Docker, and AWS lambda.

Software Engineer **Emplay Analytics Inc.** **Aug 2016 – Aug 2017**

- Developed a pipeline to allow the Django platform to send and receive data from machine learning models built on R.
- Collaborated with the analyst team to build an internal library to extend Django ORM's APIs.
- Developed and integrated a module that streamlined the process of analysts sending out reports to the clients.
- Reduced data ingestion time by 75% by developing an intuitive UI based automated data management tool.
- Leveraged Knowledge in Python, JavaScript, Django, AngularJS, PostgreSQL, ETL, Git, and AWS EC2.

Full Stack Engineer **SimplySane Ltd** **Jan 2016 – Jul 2016**

- Developed REST APIs on the server-side using the Django Rest Framework module.
- Setup role-based authentication system to allow for permission-based access to APIs.
- Integrated Celery with Django signals to allow for non-blocking event triggered workflows.
- Built product listings, details and checkout module on the frontend using AngularJS (1.x) and JavaScript.
- Leveraged Knowledge in Python, JavaScript, Django, AngularJS, Celery, Redis, Git, and Heroku.

EDUCATION

Hoboken, NJ, US **Stevens Institute of Technology** **Aug 2017 - May 2019**

- **Major:** Master of Science in Computer Science, GPA: 3.6
- **Coursework:** Concurrent Programming, Text Analytics and NLP, Web Analytics, Web Programming and 2, Distributed Systems and Cloud Computing, Advance Algorithms and Analysis, Cognitive Computing

Vellore, TN, India **VIT University** **July 2011 - May 2015**

- **Major:** Bachelor of Engineering in Computer Science and Engineering, GPA: 3.3

PROJECTS

Picsy **Fall 2018**

- Developed a cross-platform image sharing desktop application using Electron and React.
- Developed REST APIs on the server-side using Express and NodeJS
- Built and utilized concurrent workers to allow for non-blocking workflow on the server using messages over Redis.
- Utilized: JavaScript, ReactJS, Redux, Electron, Docker, MongoDB, Git, FlowJS, Concurrent Workers, Redis.

Similar Question Recommender **Spring 2018**

- Developed and modeled a recommendation system to give similar questions based on a user's query; modeled after StackOverflow's similar questions section.
- Implemented the recommendation system using an SVM classifier along with cosine-similarity algorithm.
- Utilized: Python, Scikit-learn, Flask, Git, Heroku.

LANGUAGES AND TECHNOLOGIES

- **Proficient:** Python, Flask, Django, NodeJS, JavaScript, Git, PostgreSQL, Redis, MongoDB, ReactJS, Bootstrap, NLP, Jinja, Unix, CircleCI, AWS - S3, Lambda and EC2, Digital Ocean, Celery **Familiar:** Go, TypeScript, Erlang, Redux.