

Atiq Patel

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SUMMARY

Software Engineer with experience building Full Stack applications using Python, JavaScript, ReactJS; has a knack for learning new technologies and designing creative systems (applications) to throw out solutions to real world problems. Proficient with Data Structures and Algorithms; Experience working with cross functional teams in agile environments Knowledge of HTML, CSS, MVC frameworks, Restful APIs, Linux, Redux, Docker, NodeJS, SQL, NoSQL & ORM databases

EXPERIENCE

Software Engineer, Take2Out, Hoboken, NJ

May '19 – Present

- Developed a RESTful full stack single page application using JavaScript, Python, ReactJS for clients to build & order their own burgers with Django on the backend with an ORM, further used jest & enzyme for testing
- Integrated Redux to have a centralized store management which improved cleaner code as well as implemented asynchronous programming to increase efficiency of the entire application by 25 %
- Developed another full stack web application based social media website for event organizers and volunteers, with JavaScript, HTML5, CSS, NodeJS, and NoSQL
- Integrated CI/CD pipelines for code deployment using GitHub and CircleCI, thus allowing for rapid new releases

Systems Engineer, Stevens Institute of Technology, Hoboken, NJ

May '18 - '19

- Created a ToDo app using Django and React and deployed it on Firebase as part of their internal state management project & worked with designers to create intuitive UI design, used libraries like Toastify to enhance UX
- Replaced old legacy systems with the latest software and created a MySQL database to store records and keep track of the jobs occurred. Made the entire workflow faster and smoother by at least 30%
- Led a cross-functional team to provide technical support for hardware & software issues users encountered
- Administered & oversaw setup, configuration, and repairs for 100's of Windows and Linux based systems

Data Engineer, V.S. Logistics, Mumbai, India

Jan '17 - May '17

- Provided hands-on leadership for backend design & development of ETL data flows using Big Data Ecosystem tools
- Developed a Full stack web application which contains a dashboard to fetch live stream twitter feed based on user specific keywords, store the results in a SQL database, and output them to the client using Apache Flume on a single node Map-Reduce cluster. Later migrated to a multi node cluster to ensure scalability across platforms
- Developed a web scraper using Python, to scrape 1000s of user specified movie reviews, cleaned it, stored it in a MySQL database and did sentiment analysis using NLTK packages, then displayed the statistics using Matplotlib

Software Engineer, Escape & Explore, Mumbai, India

Jun '16 - Sept '16

- Improved existing website for tours and travels and added functionalities for super users to upload new content on the feed, option for users to answer surveys regarding destinations using Django, React and MySQL
- Developed a data pipeline using Python to get tourist data and help catalog tourists based on demographics

EDUCATION

Master of Science – Computer Science

GPA: 3.73

May '19

Stevens Institute of Technology, Hoboken, New Jersey

Bachelor of Engineering – Electrical and Electronics

GPA: 3.56

May '17

University of Mumbai, Maharashtra, India

OTHER PROJECTS

Vidly | [GitHub](#)

01/20

- Developed a Full-stack web application for an online movie rental application using ReactJS, NodeJS, MongoDB
- Took a TDD approach that led to minimizing bugs and completing the project prior to the given deadline

Cataract Detector

12/19

- Implemented a Machine Learning model to identify individuals having cataract using TensorFlow
- Developed a full stack RESTful app with an intuitive UI around the model to accept eye images & give the user a diagnosis with model accuracy. Adopted TypeScript to minimize bugs for future releases

Similar Question Recommender [GitHub](#)

03/19

- Developed & modeled a recommendation system to give similar questions based on a user's query; modeled after Stack Overflow's similar questions section
- Implemented the recommendation system using an SVM classifier along with cosine-similarity algorithm

Data Analysis Based on Online Reviews | [GitHub](#) | [Paper](#)

05/18

- Developed a Recommendation system for engineering aspirants that suggests colleges based on the students' scores
- Improved the efficiency of comment rating software from 50% to 85% using NLP in Python

TECHNICAL SKILLS

- Development: Python 3, JavaScript, TypeScript, NodeJS, HTML, CSS, Handlebars, Jinja, Java, Erlang, C
- Frameworks: Flask, Django, ReactJS, ExpressJS, Redux, VueJS
- Databases: MySQL, MongoDB, Redis
- Tools: Git, Linux, Unix, CircleCI, Docker, Hadoop, Map-Reduce, Emacs, Heroku, Firebase
- Cloud: AWS