TEJAS MEHTA

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EDUCATION:

Master of Science in Computer Science | *Syracuse University, New York* ***Aug 2019 - May 2021***

Coursework: Design and Analysis of Algorithm, Structured Programming and Formal methods, Social Media and Data Mining, Operating Systems, Intro to Data Science, Object Oriented Design, Blockchain and Cryptocurrencies

GPA: 3.61/4.00

Bachelor of Engineering in Information Technology | *University of Mumbai* | *Mumbai* ***Aug 2013 - May 2016***

GPA: 3.7/4.00

SKILLS:

Programming Technologies: Java, Python, NodeJS, C#, Django, .NET MVC, Flask, Express, C++, C.
Web Technologies: HTML5, CSS3, JavaScript, Angular, React, ES6, Sass, Bootstrap, Sails.js, jQuery, Webpack, TypeScript.
Database: Oracle PL/SQL, Microsoft SQL Server, MySQL, PostgreSQL, Redis, MongoDB (NoSQL).
Tools: Eclipse, Tortoise SVN, Git, IntelliJ, PyCharm, JIRA, Visual Studio, Gradle, RabbitMQ, Apache Kafka.
Cloud Services/Servers: Tomcat Server, Azure, AWS, Heroku, Google Cloud Platform, Kubernetes, Nginx, Gunicorn.

WORK EXPERIENCE:

Software Engineer Intern| TruWeather Solutions | Syracuse, New York ***Nov 2019 – Present***

- Leading a team of 5 for automating the process of capturing health metrics and raised alerts for unhealthy machine state.
- Wrote serverless AWS Lambda functions in python, establishing connection to RabbitMQ server and dispatches alerts to queue.
- Implementing parallelism in Missioncast using concurrent futures package to reduce response time by 25% using Python.
- Optimized core normalization layer logic to reduce response time from average 24 seconds to average 1.4 seconds in NodeJS.
- Performed load testing and cost analysis on AWS EC2 to optimize server size resulting in over $500 cost reduction per month.
- Improved application performance by 40% to provide weather forecast using Restful API's in NodeJS.
- Technologies used: Python Django, NodeJS, Angular, RabbitMQ, AWS Elastic Beanstalk, CloudWatch, Lambda, SNS, RDS, Git, Redis, WebSocket's, RESTful APIs, PostgreSQL.

Senior Software Developer | Magnifi | Mumbai, India ***Feb 2019 – Aug 2019***

- Collaborated with a Product Team of 4 members to develop a Search Engine for ETF and Mutual Fund markets in USA that provided a generic trade integration platform for brokers like TDAmeritrade, Robinhood, and Tradeit etc.
- Designed a Research Engine to suggest relevant stocks based on user trade analytics, which was adopted by 3 Hedge Fund Houses leading to 18% revenue profit using data pipelines and charting tools in Python using Scikit Learn and TensorFlow.
- Develop ETL pipeline using Python to result in an increase of PostgreSQL querying efficiency by at least 50%.
- Implemented search-engine Restful APIs in Django to result in 30% faster user query results.
- Technologies used: Python Django Rest Framework, React using Redux, Git, Docker, PostgreSQL, Azure.

Full Stack Developer | Finoux Solutions Pvt Ltd. | Mumbai, India ***July 2016 – Feb 2019***

- Full Stack development of Online Trading Platform with Stock Market Insights, currently used as a Premium Trading System by customers of 3 top brokerage companies using Python, Redis, PostgreSQL, RabbitMQ and AngularJS.
- Led development of Online Portfolio Management Solution using .Net and MS-SQL, deployed for 5+ Indian brokerage firms catering to 20,000+ customers with integrated tax calculation, family portfolio management and stock insights.
- Performed sentiment analysis of Capital Market News, measured impact on company's stock movement which led to 3% increase in revenue and sold it to International Government Organization for their internal revenue generating system.
- Technologies used: Python Django, .Net, C#, AngularJS, JavaScript, RabbitMQ, MS-SQL, AWS, Git, SVN, Redis, RESTful API's.

ACADEMIC PROJECTS:

Conversational Chatbot (Rasa NLU) ***Aug 2020***

- Developed a dynamic query builder engine powered by Tornado Framework and rule-based association rule format.
- Used Rasa NLU to find the intend of the User Query and processed the relevant result based on the intend.

Toxic Comment Classification **Dec 2019**

- Built a multi-label Twitter comment classification model that made predictions to classify comments into labels like obscene, threat, hate or insult with large dataset of 96,581 samples and achieved accuracy of 91% using Naïve Bayes classifier.