**software quality and automation engineer**

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**Location**:

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**https://www.linkedin.com/in/krupa-vadher-388668210/**

[**https://github.com/KrupaVadher**](https://github.com/KrupaVadher/Smart-Cusine-Predictor)

CONTACT

Krupa Vadher

SUMMARY

* 3+ years of QA experience in functional testing UAT using Selenium IDE and Selenium WebDriver using TestNG testing framework.
* Proficiency in all phases of Software Testing Life Cycle (STLC), Software Development Life Cycle (SDLC), Bug life Cycle and Methods like Agile and Waterfall.
* Good knowledge of design & implementation of Automation Frameworks including TDD, BDD, data driven using Selenium WebDriver.
* Working knowledge of using test automation tools such as Selenium WebDriver Selenium IDE/Grid to develop automation testing scripts for Client Server.
* Proficient in of writing Selenium Web Driver automation scripts in Python, JavaScript using Maven, Cucumber and TestNG automation testing for web applications.
* Adept in Quality Assurance including Smoke Testing, GUI Software Testing, Black box Testing, Functional Testing, UAT Testing, Backend Testing and Regression Testing.
* Working knowledge of bug tracking, and reporting using HP Quality Center (QC), Rational Clear Quest, Postman and JIRA for global test management.
* Good understanding of relational databases such as Oracle design and database development using SQL MS SQL Server and MySQL.
* Proven knowledge of source version control tools such as Subversion SVN & GIT.

EDUCATION

**Master of Science in Computer Engineering**

San Jose State University, CA

SKILLS

EXPERIENCE

**Open-Source Contributor | Dec 2020 – Present**

* Filing quality issues in open-source Apache and Mozilla projects.

**Graduate Teaching Assistant | San Jose State University (San Jose, CA) May 2020 - Dec 2020**

* Evaluated 50 graduate students’ performance for the ‘Graduate Writing Assessment Requirement’ course.
* Tutored students to improve their speaking and writing proficiency in an academic setting (English language).

**Integration Point Inc. (now Thomson Reuters) (Vadodara, India)**

**Analyst - Client Delivery | APR 2018 – JUN 2018**

* Promoted from Quality Assurance department to deal with 3 clients in real-time.
* Formulated quantitative analysis for real-time clients using data mining and analysis.
* Executed performance test and regression test on the client site.
* Provided code resolutions and bug fixes for clients’ technical and functional site.
* Handled clients’ database (SQL) and configuration files (XML).

**Integration Point Inc. (now Thomson Reuters) (Vadodara, India)**

**Analyst – Software Quality Assurance | FEB 2016 – APR 2018**

* Filed, triaged and prioritized 600+ issues, 50+ tasks in 11 shipping enterprise systems.
* Teach lead for 6 member teams.
* Worked cross-functionally with 4 teams.
* Optimized SQL queries by 1.5X faster execution time and assured data integrity.
* Performed Software Integration testing (CI/CD).
* Led and drove major meetings for product improvement throughout SDLC - Agile and Scrum Methodologies.
* Proposed and contributed for Security Testing (SQL injection, Cross-Site Scripting).
* Initiated and contributed to Automation Testing - Data-Driven framework development (Selenium: Python, JavaScript).
* Created and deployed test automation scripts for Behavior Driven Development (BDD) and Test-Driven Development (TDD).

**Methodology:**

SDLC, STLC, Agile, Waterfall

**Testing Tools:**

Selenium IDE/WebDriver/Grid, Cucumber, Rational Clear Quest, Postman

**Languages/Frameworks:**

HTML, CSS, JavaScript, Python, TestNG, BDD, TDD

**Manual Testing:**

Smoke Testing, GUI Software Testing, Black box Testing, Functional Testing, UAT Testing, Backend Testing, Regression Testing

**IDEs:**

PyCharm, Jupyter Notebook

**Build Tools:**

Maven

**Databases:**

MS SQL Server, MySQL

**Defect Tracking System:**

Jira, HP Quality Center

**Version Control & Other Tools:**

GIT, SVN, MS Office

**Stock Price Prediction | Masters Project | node.js, Machine Learning algorithms, NLP, Concept Drift | Jan 2020 - Dec 2020**

* Developed a final year project to predict stock prices based on news impact analysis and concept drift phenomenon.
* Wrote web data scrapper in node.js to scrape textual news headlines and articles by storing in csv format.
* Applied NLP techniques, sentiment analysis on news data for feature generation with an unsupervised learning method.
* Applied genism Word2Vec Neural Network model for word semantic analysis and building multidimensional word vectors.
* Reduced multidimensional news vector by applying Sparse Autoencoder’s (SAE) dimensionality reduction techniques.
* Optimized stock prices prediction using 7 ML algorithms: Linear Regression, KNN, SVM, LSTM, RNN, ARIMA, Ensemble model.
* Built adaptive ensemble model to detect concept drifts and retrain the base classifiers: error rate monitoring (MAE).
* Code and Project Report at: <https://github.com/KrupaVadher/Stock-Prediction>

**Clothing Recommendation System | Surprise, Pandas, NumPy, SciKit-learn | Oct 2019 - Nov 2019**

* Applied large scale analysis techniques and pattern recognition on the RentTheRunWay dataset for clothes recommendation.
* Data grouping technique gave best predictions than any other technique (Map-Reduce).
* Code and Project Report at: <https://github.com/KrupaVadher/Clothing-Recommender-System>

**Cuisine Predictor | SciKit-learn, NumPy, NLTK, TensorFlow, Keras Mar 2019 - May 2019**

* Developed a Machine Learning project to predict cuisines based on the given recipes/ingredient lists.
* Trained 6 machine learning models: SVM, Neural Network, kNN, Decision Trees, Naives-Bayes, linear regression.
* SVM and Neural Network performed best. Submissions with ranks: 17th and 39th respectively (total 1388 submissions).
* Code and Project Report at: <https://github.com/KrupaVadher/Smart-Cusine-Predictor>

 ACHIEVEMENTS

**Employee Spotlight Award - outstanding performance appreciation award | Integration Point Inc. (now Thomson Reuters) Feb 2017**

* Provided ready-to-use code resolutions and bug fixes – Strong troubleshooting + Analytical skills.
* Modified SQL queries to improve system functionalities, database, and UI: Three-Tiered System Architecture.
* Audited Code Review process by following Object Oriented Approach and coding standards.
* Collaborated with cross-functional teams and drive major decisions for product improvement.
* Worked closely with developers, client support teams to perform Client Specific Testing.



ACADEMIC PROJECTS