




Happy Sisodia

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SUMMARY

Skilled DevOps Engineer with experience leading several projects including automation and transition of Version control systems to improve efficiencies and reduce efforts. Practical experience in a multitude of technologies having supported cross functional teams for implementation, automation, performance and stability requirements. Strong experience in Advanced Programming and passion for exploring patterns and relationships in large volumes of data to solve complex problems using advanced statistical models.

EDUCATION

Master of Science in Computer Science | Clemson University

Jan 2019 – Dec 2020

Bachelor of Engineering in Computer Science | Gujarat Technological University

Aug 2011 – Jul 2015

PROFESSIONAL EXPERIENCE

LPL Financial

July 2021- Present

DevOps Engineer

- Automated processes to migrate source control of code from AzureGit and TFS to GitHub using bash script.
- Developed and maintained fully automated CI/CD pipelines for code deployment using Octopus deploy, TeamCity and GitHub.
- Managed administration for GitHub repositories, set permission levels for different teams and added branch protection using curl command to GitHub API, thereby automating laborious administrative processes.
- Created runbooks in Octopus that allowed scripts on the server to be executed based on the ServiceNow request by users.
- Managed deployment using TeamCity to build code and deploy different versions in octopus.

Technologies Used: *Octopus, TeamCity, GitHub, AzureGit, TFS, JFrog.*

Thirdware Solution, Mumbai, India

Sep 2015 – Dec 2017

Software Engineer

- Led a team of junior software engineers to develop a Goods and Services Tax (GST) module that helped the clients calculate the total amount using QAD while also identifying different tax codes.
- Automated application systems by optimizing the approvals process which led to increase of performance efficiency over 30%.
- Liaised with multiple clients to transform business requirements into software solution for successful project delivery.
- Automated business process such as invoice creation and generating sales order using batch programs.
- Fixed bugs and documented the process by creating technical specifications, test cases and system documents that was used by cross-functional teams.
- Translated functional requirements to technical teams and presented module output demos to clients and stakeholders on a weekly basis.

Technologies Used: *QAD, Putty.*

TECHNICAL SKILLS

Methodology and statistical knowledge: Quantitative analysis, Statistical modeling, Agile software Development

Web Application Development: HTML, CSS, JavaScript

Scripting: Bash, Python

Tools: MS office, Tableau, QAD, GitHub, Octopus, TeamCity

ACADEMIC PROJECTS

Movie Recommendation System || [GitHub Link](#)

- Build a content based movie recommendation system and make an API using Django and deploy it in the cloud.
- Extracted the data from 'IMDB' website using BeautifulSoup in python for all the movies released between 1980-2020.
- Cleaned the data to remove all the useless characters like '\\n', striped whitespace and unwanted information. Made sure all the fields of a column were of similar data type.
- Performed an EDA of the data collected and created a tableau dashboard to show the relationship between different field.

Neural Network to test Injury severity || [GitHub Link](#)

- Applied a Feed Forward Neural Network to a [FARS](#) dataset to examine relationships between driver injury severity, driver, vehicle and roadway condition.
- Selected, trained and evaluated low multi-class classification systems having high problem domain complexity with an imbalanced dataset.
- Created a MLP from scratch using only Pandas libraries in python with stochastic gradient descent which provided an accuracy of 46% for the multi-class classification and 60% for the binary classification.

Multi Label Categorization of Construction Projects || [GitHub Link](#)

- Successfully extracted and labelled information such as construction, design, operation and maintenance from construction contracts and project requirement documents using supervised learning in python.
- Used 'Bag of Words' to turn words into vectors and trained learning models such as Naïve-Bayesian, SVM, logistic regression and feed forward neural network.
- Performed data cleaning using methods such as Word2Vec, Doc2vec and applied multi classification using SVM which provided 90% accuracy.