

VIPIN RAGASHETTI

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PROFESSIONAL SUMMARY

Tenacious, result oriented and customer focused Software Engineering professional with 4 years of experience in building scalable distributed softwares and automating deployment processes. Skilled in python, java, Linux ecosystem, SQL, AWS, building APIs, web applications, handling multiple projects and developing new solutions. I the undersigned looking forward to work as a key player in a challenging and creative environment and lead a team to the utmost progress of the organization.

EDUCATION

Masters in Data and Computational Science, University College Dublin, Ireland (3.92/4.2) Sep 2019 – Nov 2020

Coursework: Data Programming in Python and R, Machine Learning, Natural Language Processing, Deep Learning etc.

Bachelor of Engineering in Computer Science, PES University, India (9.07/10.0) Aug 2012 – May 2016

Coursework: Programming in C, Java, Python, Data Structures and Algorithms, Databases, Operating Systems, Microprocessors etc.

PROFESSIONAL WORK EXPERIENCE

Software Engineer – Groupon, Dublin, Ireland Feb 2021 – Present

- Implement softwares for the early warning, detection and self-healing systems for the Data Pipelines.
- Proactively manage delivery of service level objectives (SLO) and service level agreements (SLA) for Data Pipelines.
- Design and build tools to automate and optimise the processes.
- Collaborate with the Data Engineering team to troubleshoot issues and propose new solutions.
- Technologies used in the current role are **Python, Java, RESTful APIs, Linux, AWS, PagerDuty, Jira, VueJS, Jenkins, Git**.

Software Engineer II – Hewlett Packard Enterprise, Bangalore, India May 2018 – Jul 2019

- Worked on the industry leading policy driven, converged data protection and copy data management software called HPE RMC.
- Effectively communicate with the Project Manager about the progress as well as blockages in the on-going projects.
- Technology stack that I worked on for this product are **Python, Java, Openstack framework, PostgreSQL, SQLAlchemy, Linux (CentOS), RESTful APIs, Jenkins**.
- Remove all obstacles to enhance project team efficiency and effectiveness. Reach out to the larger organizational network for impediment removal and cross team-coordination.
- Collaborated with the application and UI teams in designing, implementation of new RMC services and features
- Managed the integration and deployment changes for the RMC ecosystem using CI/CD tools like **Jenkins, Ansible, Git**.
- Trained and mentored new joiners and interns explaining them about the product architecture and the coding standards. Interviewed graduate positions in the team.

Software Engineer I – Hewlett Packard Enterprise, Bangalore, India Aug 2016 – Apr 2018

- Integrated 3PAR, Nimble and StoreVirtual storage arrays with RMC following the objected oriented principles and agile methodology.
- Automated the manual process of RMC deployment on ESX servers and therefore slashing the deployment time within ten minutes.
- Designed and Implemented Data Analysis tool called Infosight. The technologies that I worked on are **Python, Django, AWS SDK boto3, RESTful APIs, AWS** services like EC2, S3, Elastic Beanstalk, AWS code pipeline.
- Carried out POCs for containerizing the application using containerization technology called **Docker**.
- Implemented REST APIs using the best practices in integration of various RMC Application services and physical systems.
- Experience writing the unit tests using **pytest, unittest**.
- Interacted closely with the StoreOnce team in Bristol, United Kingdom for integrating RMC component in Gen4 StoreOnce to support Native Backups and Restores.

- Work in a team-oriented environment for all aspects of product development (design, implementation, test and maintenance support.)
- Investigated, designed and implemented backing up of RDM 3PAR volumes with RMC Appliance. Made extensive use of VMware APIs. This feature was recognized, accepted and included in the roadmap for the upcoming release.
- Work with development engineers to test product features and functions.
- Redesign and implementation of RMC task notifications and activities.

TECHNICAL SKILLS

Programming	Fluent in Python, Java, R, C, JavaScript, SAS; Familiar with Golang, Leaflet.js, C++
Technology	Microservices, REST, Jenkins, AWS, ELK stack, Docker, Ansible, Terraform, Git, RabbitMQ, Kafka, AWS, Jira
Operating Systems	CentOS/RedHat, Ubuntu, Debian, Linux Mint, MacOS, Windows
Frameworks	Expertise in Openstack, Django, Flask, Streamlit, Tornado, Scrappy, Springboot, Shiny, Tableau
Databases	RDBMS, MySQL, PostgreSQL, MongoDB, Redis

PROJECTS

Insight – Data Analytics Platform

- Collaborated with the product management team to carry out the POC and was part of design and implementation of the data analytics platform used by the product managers and sales department to derive the insights from the data collected from the RMC customers. This product was hosted on AWS cloud.
- Implemented dashboards, charts for various RMC resources like recovery-sets, snapshot-sets, backup-sets etc.
- Implemented the code pipeline for continuous integration and deployment using AWS developer tools and Elastic Beanstalk.

RMC Migration

- Designed and Implemented migration workflow for RMC and its applications: RMC-Oracle, RMC-Hana, RMC-SQL, RMC-VMware, RMC-Exchange.
- Closely worked with 5 application teams and carried out scrum meetings and daily standups.

Real-Time Sentiment Monitoring Tool using NLP and ELK Stack

- Designed the workflow in monitoring the sentiment analysis of tweets related to COVID-19. This project involved the collection of data using the standard twitter API.
- The collected data is cleaned and sentiment of each tweet is computed using the NLTK package.
- This data is then ingested into Elastic cluster using the Logstash and visualized through Kibana.
- Due to the rate limit imposed on tweet collection by twitter API, designed the scheduler that automates the entire tweet gathering process.

RMC-Nimble Storage Integration

- Designed and Implemented new RMC endpoints, features for integration of Nimble storage array with RMC.
- Triaged and solved number of customer cases post release.

Analysis of DeepSolar Database

- Analysed solar installation data collected from satellite images. Used supervised classification algorithms like Logistic Regression, Decision Trees, Random Forests, Boosting, Bagging and SVM to predict the solar system coverage of a tile given the collection of predictive features.
- Applied various cross-validation methods and computed classifier performance measures to identify the best classifier. Fine-tuned the arguments of classifiers to maximize the accuracy.

Recognitions and Achievements

- Secured 1:1H across all semesters during my Bachelors and Masters.
- Worked as Event Coordinator at Samarpana for 3 years and my work was recognized and honored by Vice Chancellor.
- Won accolades and recognitions from managers and directors for completing features and solving critical issues in quick time.
- Enrolled and completed a few projects and certifications in MongoDB, Machine Learning during my free time.

Interests/Hobbies

- Football
- Cricket
- Travelling
- Cooking

Reference

To be provided upon request.