

# VIPIN RAGASHETTI

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| <b>Website:</b> <a href="#">vipin-portfolio</a> | <b>GitHub:</b> <a href="#">vipin-github</a>      | <b>LinkedIn:</b> <a href="#">vipin-linkedIn</a>  |

## PROFESSIONAL SUMMARY

Tenacious, result oriented and customer focused Software Engineering professional with over 5 years of experience working on large scale on-prem and cloud infrastructure platforms. Skilled in python, java, Airflow, GCP, AWS, Linux Ecosystem, SQL, Teradata, Hadoop, web applications, building monitoring softwares and supporting developer operations. 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 II (Data Platform) – Groupon, Dublin, Ireland** Feb 2021 – Present

- Was part of Platform Reliability Engineering team developing monitoring framework, metrics and reporting for Data Platform Infrastructure.
- 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 and application development teams to troubleshoot issues and propose new solutions.
- Participate in the on-call responsibilities during the weekends and triage any data platform infrastructure issues.
- Carry out weekly release activities and handling all the developer requests as part of the operations.

**Software Engineer II – Hewlett Packard Enterprise, Bangalore, India** Jan 2016 – 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.
- 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
- Trained and mentored new joiners and interns explaining them about the product architecture and the coding standards. Interviewed graduate positions in the team.

## TECHNICAL SKILLS

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

## PROJECTS

### Google Cloud Composer (Airflow) – Data Pipelines

- Deployment of the Data Platform infrastructure for running the pipelines on Google Cloud Platform (GCP) .
- Worked on the various components of GCP like Composer, Secret Manager, Cloud Storage, Cloud Metrics, Log Explorer etc.
- Management and provisioning of the infrastructure was done through Terraform.
- Monitoring of Infrastructure using Google Cloud Metrics and *preutils* module to monitor the data pipelines using PagerDuty and Jira.

### Groupon Data Platform (On-prem)

- Responsible to build tools and infrastructure by coordinating with different teams within Data Platform to leverage and encourage consistency.
- Monitor the uptime and reliability of the platform and ensure that the pipelines run on time and as expected.
- Setting up the metrics and monitor overall health of the platform.
- Handle deployment processes and triage the issues by closely working with application developers and data engineers.
- Participate in on-call responsibilities, working on the customer requests and triaging the production issues if any during weekends.

### Infosight – 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 stand-ups.

### 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.

## 🏆 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 honoured 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, Airflow during my free time.

## 👍 Interests/Hobbies

- ✎ Football
- ✎ Cricket
- ✎ Travelling
- ✎ Cooking

## 📄 Reference

To be provided upon request.