

THE FORE FRONT



Monthly NEWSLETTER

April 2025

Insightful Tech Snippets

Your go-to source for Concise Updates

Work-life Balance

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Birthday Cheers...

May



Manoo Haryal
2nd May



Vaibhav Bhogle
3rd May



Mubashir Mathoriyel
4th May



Prasad Bansodkar
4th May



Kiran Bansode
6th May



Hemant Ranjangaonkar
8th May



Manoj Machale
9th May



Ramya Prabhakar
9th May



Irwing Dsouza
13th May

Birthday Cheers...

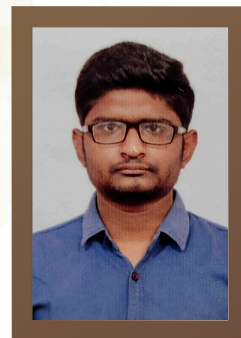
May



Jasleen Kaur
13th May



Afroz Alam
19th May



Yash Dodiya
19th May



Nikhil Sharma
19th May



Ali Mehdi
20th May



Sajad Hussain
21st May



Shankar Gaikwad
27th May



Ashwini
27th May



Priyanka Giri
28th May

Birthday Cheers...

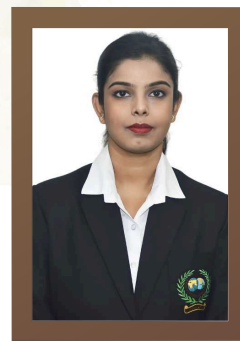
May



Mouleeswaran U
30th May



Rohit Chourasia
30th May



Antara Dutta
30th May



Sajid Hussain
31st May

WORK Anniversary May



Dimple Bansal
1st May 2021



Karan Baheti
1st May 2023



Lavanya Thirupalli
1st May 2023



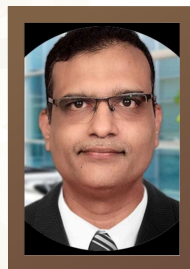
Sakib Sayyed
2nd May 2020



Ankur Agrawal
2nd May 2022



Pramod Mungekar
4th May 2020



Shabbir Kagalwala
4th May 2021



Mohit Chatrapati
8th May 2023



Sanjeev Kumar
16th May 2024



Kunal Swamy
17th May 2021



Mahesh Jain
17th May 2022



S. Praveen Das
19th May 2020



Sai Pranav
19th May 2022



Ritik Khajuriya
20th May 2024



Bhuvaneshwar.H
20th May 2024



Zeeshan Munshi
23rd May 2022
www.vcreatek.com

Congratulations !!

Tracks

WELCOME NEWBIES



Rishabh Raj
1st April 2025



Deepak Satam
1st April 2025



Rajesh Kommuri
1st April 2025



Chethan Kumar
7th April 2025



Santhosh Kumar
21st April 2025

WELCOME ON BOARD !!

"Let's Achieve Great Things Together!"

TALENT

Tracks

JOB POSTINGS

Data Scientist

TOTAL EXPERIENCE: 4-12 years

Build impactful ML/DL models and deliver data-powered insights.

REQUIRED SKILLS:

#Machine Learning #DeepLearning #DataAnalytics #Python
#BigData #Statistics

Data Engineer

TOTAL EXPERIENCE: 4-12 years

Design and scale high-performance data pipelines and architectures.

REQUIRED SKILLS:

#ETL #DataPipelines #SQL #Databricks #Azure #BigData #Python
#Hadoop



TALENT

Tracks

JOB POSTINGS

Business Analyst

TOTAL EXPERIENCE: 4-12 years

Turn data into strategy to optimize supply chain and procurement operations.

REQUIRED SKILLS:

#Supply Chain #DataAnalysis #PowerBI #Procurement #SQL
#SAP #Reporting



Visualization Developer

TOTAL EXPERIENCE: 4-12 years

Craft compelling dashboards and data stories for business leaders.

REQUIRED SKILLS:

#PowerBI #Tableau #DataStudio #PowerApps
#Dashboards #SQL

TRIUMPHS & ACCOLADES

Achievements!

Client Appreciation for Praneeta Rao and Team- J&J Change Management.

Subject: Re: SIGN OFF - Supply Risk Management- Launch Collaterals

Praneeta and team. **THANK YOU** so much for the time, energy and effort surrounding the delivery of this very comprehensive launch plan and collaterals for our supply risk management program. The quality of the work and timeliness of delivery will significantly contribute to strengthening our risk management capabilities across the Procurement function. Kudos to the team on this endeavor.

I am officially signing off on everything delivered.

Shivonne

Client Appreciation for Dipesh Chandra and Team-J&J Change Management.

Subject: Thank you for the Support on Autocheckmate Go Live!

Hi Team,

Good day. I would like to take a moment to express my heartfelt appreciation for the exceptional work you all contributed to the communication for the Labeling Automation project, Autocheckmate Phase 1.0.

A special thank you to Nikita and Dipesh for your incredible support and dedication throughout this process. The team effectively gathered the requirements and provided a swift communication draft that truly showcased the importance of our GO Live for Autocheckmate. Your attention to detail and timely updates ensured that every aspect of our communication was covered, and it did not go unnoticed.

Nikita, your ability to liaise between teams, incorporating every update meticulously, played a pivotal role in making this a success. Thank you for your diligence and positivity, which helped us stay on track!

As we move forward, I am excited about the future initiatives in labeling where we will need similar support from this wonderful team. I am confident that with your commitment, we will continue to achieve great results together.

Once again, thank you, Nikita, Dipesh, and the entire team for your hard work and collaboration. Let's keep the momentum going!

Best regards,

Bharath Pakala
 Manager, GTO (Labeling)

Congratulations !!

TRIUMPHS & ACCOLADES

CONTINUING PROFESSIONAL DEVELOPMENT



Srinivas Setlur

(Associate Director, E2E Excellence)



Highlight: Advanced Certification in Cloud Computing and Devops.

HIGHLIGHTS & MEMORIES

ANNUAL DAY- 2025



Matching vibes, matching goals. Team vCreaTek leveling up in style!



Our Annual Day began with the graceful lighting of the lamp, symbolizing unity and celebration.



Employees indulged in some light-hearted moments of fun and laughter by participating in team-building activities..

HIGHLIGHTS & MEMORIES

ANNUAL DAY- 2025



Abhishek Rathi-Founder and CEO of vCreaTek addressing the gathering.



"Our capacity to translate vision to reality"- vCreaTek leadership team

HIGHLIGHTS & MEMORIES



Award ceremony- A time to reward and recognize some of our best employees at vCreaTek.



Some employees showcased their talents to colleagues, inspiring everyone.

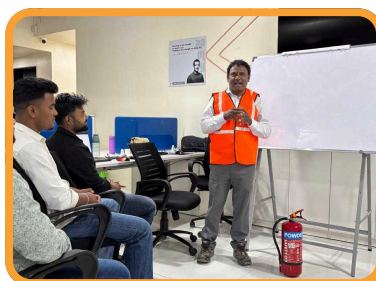


Enjoyed a lovely evening with colleagues over high tea, followed by dinner- "Chai pe Charcha" types.

Annual day culminated with an unforgettable, mesmerizing musical event with Anil Bhandari and team.



Proud to announce that vCreaTek received a Special Recognition Award at the Rotary CSR Awards!



Fire and Safety session successfully conducted at vCreaTek Pune office.



Mumbai vCreaTek team visited Aga Khan Palace, Shaniwar Wada, Lal Mahal, Dagdusheth Ganapati, and Saras Baug in Pune.



Congratulations vCreaTek team for signing a MOU for setting up Data COE at MIT ADU university.

This use case was adjudged the Best Use Case in the recently concluded
2nd Edition Best Use Case Program–March 2025.

Zero Downtime Strategy: Transforming Deployment Efficiency

Conventions !!


Case : Zero Downtime Strategy: Transforming Deployment Efficiency


Engagement Summary

To eliminate website downtime, I first implemented a blue/green deployment strategy for Elasticsearch, reducing downtime from 2+ hours to 20 minutes. Later, I introduced a **zerodowntime** deployment strategy, eliminating downtime entirely. Additionally, I automated the JSON data processing workflow using Jenkins and JFrog, saving 3-4 hours of manual effort per week. These optimizations improved system reliability, streamlined deployments, and enhanced overall efficiency.

Background and Context

Problem Statement

- Extended Downtime:** The production website faces 2+ hours of downtime weekly due to an inefficient Elasticsearch refresh mechanism.
- Elasticsearch Bottleneck:** The current process deletes and recreates the entire index, requiring maintenance mode to prevent inconsistencies.
- Manual Processing Overhead:** Developers spend 5+ hours weekly generating JSON files from Snowflake, delaying updates and increasing workload.

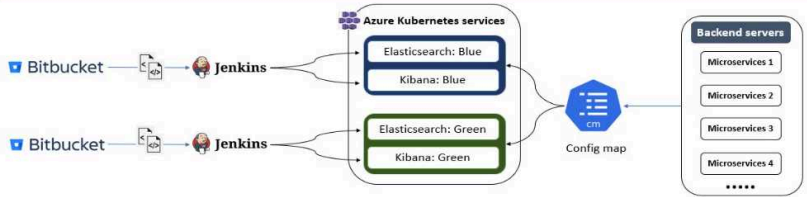
Key Objectives

- Minimize Downtime:** Reduce production downtime from 2+ hours to 20 minutes, targeting zero downtime with a blue/green deployment strategy for Elasticsearch.
- Automate & Optimize:** Implement a Jenkins pipeline to replace manual JSON file generation and upgrade AKS cluster nodes for better performance.
- Enhance Reliability:** Use **ConfigMaps** for seamless Elasticsearch updates and ensure an automated refresh mechanism for improved stability.

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Case : Zero Downtime Strategy: Transforming Deployment Efficiency


Solution Architecture



Scope Overview

- The root cause of the downtime was identified as the **index deletion and recreation process** during data refresh. To resolve this, a **Blue/Green deployment strategy** was implemented, running **two Elasticsearch and Kibana instances** simultaneously.
- The new approach allows data to be refreshed on the **inactive instance**, ensuring the production website remains operational. Once the refresh is complete, the **application's connection string** is dynamically switched using a **ConfigMap update in the deployment YAML**. Additionally, **user-related indices** (such as logs and session data) are transferred to the new instance before switching, ensuring **data integrity and a seamless user experience**.
- To support this solution, the **existing AKS infrastructure** was optimized, replacing a lower-spec node with a **high-performance node** to accommodate the additional Elasticsearch instance.
- This implementation successfully reduced **downtime from 2+ hours to 20 minutes**, with a clear roadmap towards achieving **zero downtime** for future deployments.

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To read details **Change in Action: Zero Downtime Strategy: Transforming Deployment Efficiency** [here](#)

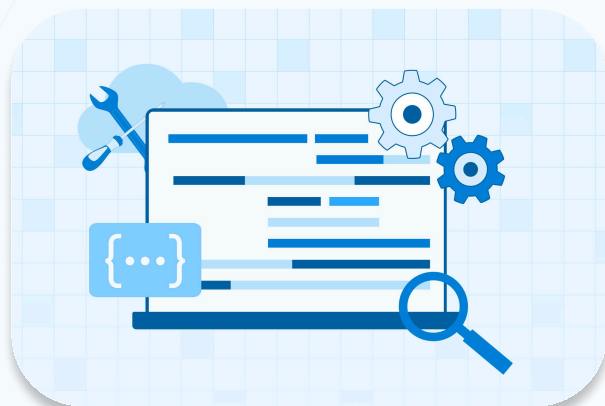
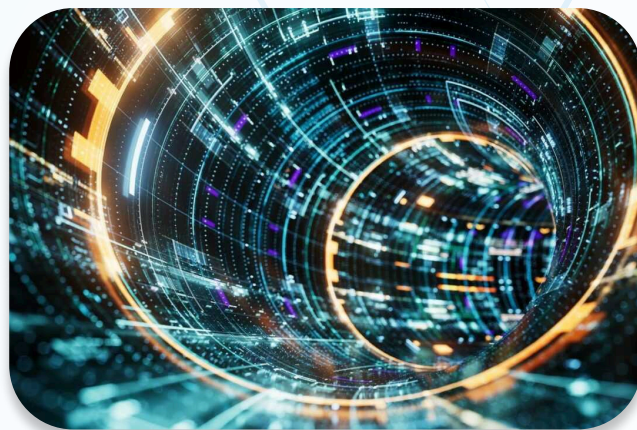
Winner

Ashif Ali

TECH PULSE

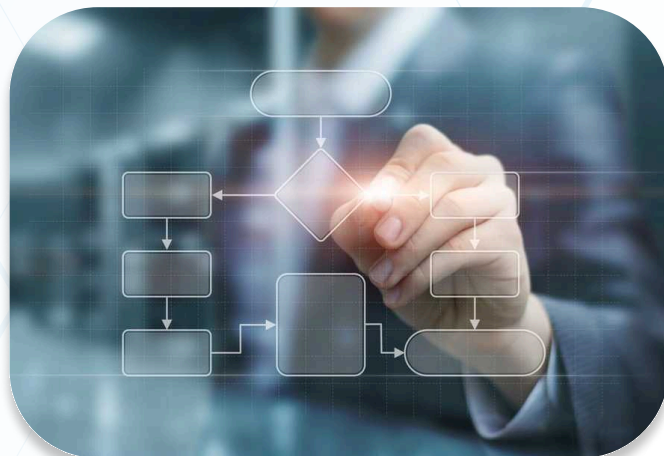
Latest Tech Buzz

Ninety-five percent of respondents said GenAI is already directly improving efficiency and bottom-line performance, with 94% saying they expect the integration of Internet of Things (i.e., IoT/edge) data into GenAI models will significantly improve the accuracy and relevance of AI-generated outputs. Further, 91% said combining digital twins and GenAI will improve both the performance of physical assets and supply chain resilience. **([Read More](#))**



AI code review has become a game-changer in the dynamic field of software development, where quality and efficiency are critical factors. These intelligent tools harness the power of artificial intelligence to automate and enhance the code review process, enabling developers to catch bugs, vulnerabilities, and code smells early in the development cycle. **([Read More](#))**

In the past decade, enterprise IT teams have significantly changed how they monitor their systems, moving from basic, reactive solutions to proactive observability. Yet, the rate of these improvements has often been outpaced by the speed at which their enterprises have grown their infrastructure. What many organizations now face is sprawling, complex IT systems that have grown far beyond the capabilities of traditional monitoring and observability solutions. **([Read More](#))**



INTRODUCING

The Editorial Team

Khem Bahadur



Anil Bhandari



Keenan Nair



Gopi Patil



Sachin Iwarkar



Gloria Bhambal

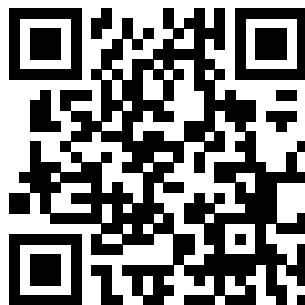
Dr. Prarthana
DuttaShabana
Chowdhury Ali

YOUR VOICE MATTERS



We've given our newsletter a fresh look,
and we're eager to hear what you think!

**PLEASE CLICK HERE FOR THE FEEDBACK FORM
OR
SCAN THE QR CODE BELOW**



*Thank You
for your time*