**Venkata Sai Krishna Vemaraju**

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**SUMMARY**

An AWS certified senior software engineer with an experience of 6 years working in a distributed computing environment dealing with modernization and development of products that are directly used by everyday consumers.

**WORK EXPERIENCE**

**Software Engineer**  Mar 2022 - Present

Deloitte USI | Hyderabad, India

* Modernized RAS reports generation process for **Thomson Reuters** which has 1000s of sections using AWS services, significantly improved **the latency by 70%.**
* Reduced the overall user wait time from **hours to minutes** by devising a serverless application which identifies and performs parallel processing of independent sections and reports are transferred to an object storage.
* Achieved annual cost saving of $**47,567** by using AWS resources and establishing S3 bucket expiration policies.
* AWS, step function, S3 bucket, lambda function, Aurora DB.

**Senior Java Developer**  Feb 2019 - Jan 2022

Tata Consultancy Services | Chennai, India

* Carried out research on possibility of modernizing monolithic legacy ledgers business of vanguard stock brokerage platform using **Domain Driven Design** principles.
* Participated in Re-architecture whole Ledger’s flow and crafted new ledger management system.
* Proposed and implemented highly scalable and distributed system with **2-step API model** first time to client.
* Improved code maintenance and **error troubleshooting** by integrating monitoring tools and **alerting mechanisms** such as honeycomb, Splunk, cloud watch alarms.
* Achieved **performance** optimization of **45%**.
* ECS, EC2, S3 bucket, lambda function, Dynamo DB, step function.

**Application Engineer**  Dec 2017 - Sep 2018

EdGate Technologies | Bengaluru, India

* Designed and implemented different low pass and high pass filters on Digital Signal Processing tools.
* Conducted multiple workshops as part of Faculty Development Program and trained students on programming Signal Processing Tools.
* Performed user requirement analysis to deliver support for application enhancement.

**EDUCATION**

**Bachelor of Technology (B. Tech.)** May 2013 - May 2017

Rajiv Gandhi University of Knowledge Technologies - Nuzvid, Andhra Pradesh (India)

Electronics And Telecommunication Engineering

CGPA – 8.53

**SKILLS**

Java| Spring | Spring Boot | Spring Batch| CI/CD | Git | Maven | Cloud | AWS | Junit | Mockito| Automation | Backend Development | Logging | Monitoring | Prometheus | Grafana | Spring ORM| Spring Data JPA | Data Structures and Algorithms | SDLC Life cycle | Microservices | Graph QL |REST | Synchronous| Asynchronous | Kafka | Messaging Queues | Docker | Event Driven Design | Monitoring tools | Logging | Security

**CERTIFICATIONS**

**AWS Solutions Architect - Associate (AWS SAA)**

Validation number – **2Q3ZB1ZLME1QQ6B5**