Novel Sai Vinayak Malla

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Profile:

Seasoned software developer adept in cloud development, proficient in testing, deploying, and managing cloud-based services across various platforms. Skilled in AWS, Node.js, and JavaScript languages. Demonstrates proficiency in self-management for independent projects and fosters productive collaboration within team environments.

Work Experience:

Capgemini *July 2022 - Present*
Sr. Software Engineer *Noida, Uttar Pradesh*

- Engaged as a backend developer to conceptualize and implement robust backend solutions for Subway(client).
- Built and integrated APIs based on designed detailed specifications.
- Led the end-to-end design process for multiple digital products by conducting research, creating POCs and comprehensive design documentation.
- Created and delivered insightful presentations of findings and solutions during demo calls, effectively communicating complex information to diverse audiences and stakeholders.
- Mentored new team members by teaching project fundamentals and ensuring smooth knowledge adaptation.

Key Projects:

AWS Resiliency:

Led design and implementation of resilient infrastructure for microservices architecture utilizing AWS Lambda functions integrated with API Gateway and Akamai as DNS provider.

- Successfully implemented a multi-region deployment strategy aimed at minimizing regional outages. This involved the utilization of region-specific S3 buckets coupled with an efficient replication mechanism for seamless data synchronization.
- Led the migration process from local DynamoDB to Global DynamoDB, facilitating enhanced data replication across regions through meticulously established event-based triggers.
- Elevated the performance of Lambda functions by integrating a region affinity flag, ensuring consistent performance levels and bolstering system reliability.
- Spearheaded the development of robust health check APIs tailored for each region. This innovation empowered Akamai to dynamically route requests, optimizing response times and fortifying system resilience.
- Achieved significant improvement in system resilience and operational stability across multiple regions, minimizing business disruptions.

Bundle Creation API:

- Developed a bundle data creation endpoint using Node.js, hosted on API Gateway with AWS Lambda.
- Implemented features for creating bundles with different sets of data associated with it.
- Utilized AWS services such as DynamoDB for data storage and CloudWatch for monitoring.

Bachelor of Technology *(Major: Mechanical Engineering)*
SRM Institute of Science and Technology *July 2018 - May 2022*

Skills:

JavaScript · Node.js · AWS · Git · HTML · CSS · Azure DevOps · CI/CD · GitLab · Shell Scripting · Computer Networks · Operating System · Authorizations · Databases · Database Management System (DBMS) · Microservices · Representational State Transfer (REST) · API Development · JSON · XML · YAML · Power BI

Tools and Software:

Azure DevOps · Visual Studio Code · GitHub · Postman · Swagger API · AWS Lambda · API Gateway · DynamoDB · CloudWatch · SNS · SQS · CloudFormation · Power BI

Certification:

- AWS Certified Cloud Practitioner *Sep 2022 - Sep 2025*
- AWS Partner: Generative AI on AWS Essentials (Business) *Apr 2024 - Present*
- Agile Software Development - University of Minnesota *Oct 2024 – Present*
- AWS Migration Ambassador Foundation (Business) *Aug 2022 – Present*
- Amazon CodeWhisperer – Getting Started *Apr 2024 – Present*

Achievements:

- Recognized with the STAR Award for outstanding performance and exceptional contributions to the project.