

Suvarna Kumar Vikas

Data Engineer

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Data Engineer with experience in developing and optimizing AWS-based data pipelines. Proficient in AWS Glue, Lambda, Step Functions, and RDS, with a strong foundation in SQL, Linux. Automate manual workflows, resolve complex data issues, and collaborate with teams to deliver scalable, reliable data solutions.

Work Experience

TCS Japan, Tokyo | June 2022 - Present

Data Engineer – AstraZeneca Japan

October 2024 - Present

- Develop and enhance **AWS-based ETL pipelines** (Glue, Step Functions, Lambda), implementing code changes to improve reliability, efficiency and system stability.
- Automate manual operational tasks previously handled by the operations team, reducing workload and improving data processing turnaround.
- Collaborate with business stakeholders and other system users to analyze data issues, and implement solutions through SQL, Glue, and Lambda modifications.
- Coordinate with AWS platform team to deploy Glue/Lambda code fixes, validate post-release data integrity and ensure seamless integration with downstream systems.

Production Support Engineer – Nomura Securities

February 2023 - August 2024

- Supported and maintained **100+** applications, ensuring high availability, reliability, and timely issue resolution.
- Utilized **Linux** and **SQL** to investigate production issues, assist in deployments, and handle daily operational tasks.
- Handled **ETL applications** processing both real-time & batch data from multiple upstream systems, delivering data to downstream teams and maintaining reliable reporting pipelines critical for business decision-making.
- Identified and implemented solutions to convert tedious manual tasks into automated workflows, enhancing productivity and enabling focus on critical issues.
- Managed incidents via ServiceNow, performing impact assessment and root cause analysis to ensure timely resolution, while leveraging monitoring and logging tools (Grafana, Rivermuse, Splunk) to proactively detect issues, fine-tune alerts, and enhance overall system observability.

System Engineer

June 2022 - January 2023

- Developed a Flutter-based mobile CRUD application as a proof of concept with Node.js (Express) as backend, also built an e-commerce website using Angular and Java Spring Boot.
- Gained hands-on experience with AWS cloud services and self-learned React to build responsive web applications.

ITS Co.Ltd, Mishima | October 2020 - May 2022

System Engineer

October 2020 - May 2022

- Designed and developed a Cost Estimates Tool for a client company using C#(.NET).
- Involved in designing and coding of a Learning Map Application for a University using **C#(.NET)** and DB SQLite.
- Contributed to developing a Data Management System using C#(.NET) and **SQL Server**.
- Designed an Ingredients Management System for a Food Production based company.

Certifications

Data Engineering- DataExpert.io (August 2025)

AWS Cloud Practitioner (April 2025)

Red Hat Certified System Administrator (RHCSA) (July 2023)

JLPT N2 Certified (June 2021)

Education

Kokoro Japanese Language School

Sasebo, Nagasaki | October 2019 - September 2020

Bachelor's in Computer Science Engineering

Gopalan College of Engineering and Management | August 2015 - June 2019

Skills and Expertise

Cloud & Data Tools: AWS Glue, AWS Lambda, AWS Step Functions, AWS RDS, AWS S3, Apache Airflow

Programming & Query Languages: Python, SQL, PySpark

Monitoring Tools, Others: Linux, Tableau, Grafana, Splunk, ServiceNow, Git, JIRA