Ketan Sahu

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WORK EXPERIENCE

AVEVA B.V.   **Baarn, The Netherlands**
Application Support Engineer   *Nov 2020 - Present*
- Provide email and web support with support team of AVEVA, utilize our in-house developed in-suite ROMSS software and MS SQL Server database by troubleshooting and debugging the complex SQL queries to investigate issues pertaining to customers
- Scale servers, manages 300 in-house Windows machines and operating system, apply security patches, monitor all of these at the same time to ensure the best quality of application for our customers
- Build Windows Server Update Services platform to ensure 100% availability of our in-house infrastructure to our customers

Dialog Semiconductor   **Den bosch, The Netherlands**
Hardware Development & Data Engineer   *Apr 2019 - Oct 2020*
- Designed and implemented fault-tolerant, memory efficient, and resilient post-processing (ETL) module on Python to perform fast and accurate data analysis (data cleansing, data reordering, and data computation) on large data generated after testing different characteristics of integrated chips.
- Streamlined the alternative statistical and visualization data flow model by reducing the latency 30% on large data set. The data flow model performed the statistical calculation (avg, sigma, min, and max), then created visualization diagram (avg/sigma vs no. of IC chips, avg/sigma vs. IC chips temperature and more) on Spotfire and in last sent results to data management system (DoxBox).

Frencken Engineering   **Eindhoven, The Netherlands**
System Engineer   *Sep 2018 - March 2019*
- Collaborated closely with the customers technical teams and turned their electromechanical product specific requirements into technically feasible concepts.
- Developed a systematic, straightforward, and standardized approach to document product testing procedures and maintenance activities. Performed feasibility test of each component (servo motors, relays, electric valve actuators) used inside the product based on documented test procedure.

DATA ENGINEERING PROJECT

Data Engineering Academy   **LearnDataEngineering.com**
Stream and Batch Processing of Users App Data (Repo Link: Data Engineering Project)   *Feb 2020 - Present*
- Project goal: Work closely with the data engineering academy, on the strategy (such as researched dataset, find out correct use cases, design data infrastructure and pipelines, and implement design on choice of tools) in order to develop coherent logical data pipelines that enrich users experience with real-time recommendation apps dashboard. Guide app developers to increase their revenue by providing them a BI based visual analytical summary of the downloaded apps.
- Project objective: Implementation of end to end fault-tolerant and low latency infrastructure using NoSQL database (DynamoDB), data warehouse (Redshift), stream, and batch processing data pipeline on AWS platform and on open source platform (Airflow, Kafka, Spark)

EDUCATION

University of Groningen   **Groningen, The Netherlands**
M.Sc. Industrial Engineering & Management   *Graduation Date: Aug 2017*
- Graduate Research Project – Automated Image Feature Identification for Motorized Mapping of Insect Eyes
- Graduate Design Project – Optimization of Abrasive Water Jet Cutting Process

LEADERSHIP EXPERIENCE

Groningen Indian Student Association   **Groningen, The Netherlands**
Web Administrator   *Feb 2015 - Dec 2015*
- Organized cultural events, led discussion sections, maintain correspondence with Indian community living in Groningen
- Handled the web service of GISA and provided the necessary information to prospective Indian students

Global Knowledge Corporation   **Bhopal, India**
Assistant Manager   *July 2013 - Dec 2014*
- Coordinated projects were about brand management and customer loyalty programs
- Managed projects related to corporate social responsibility

SKILLS & INTERESTS

Skills: Advanced Microsoft Office, Python, Java, SQL (MySQL, MSSQL), NoSQL (Cassandra) AWS (Lambda, Kinesis, Kinesis Firehose, S3, Redshift, DynamoDB, Glue Job, EMR, RDS, EC2, Elasticsearch), REST APIs, Apache Kafka, Apache Spark (PySpark), Apache Airflow, dbt, Docker, GitHub, Spotfire, Grafana, Power BI, MATLAB
Interests: Cricket, Squash, Tennis, Time-lapse Photography, Books