**Nagasai Velpuri**

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TECHNICAL SKILLS

**Languages**: SQL, Python, Scala, HiveQL, C++, Java, HTML, HBase

**Tools**: SSIS, SSRS, Spark Shell, Linux, VCS-Git, Jenkins, VS Code, IntelliJ, MS Office, AWS EMR.

**Technologies**: ETL, Machine Learning, Apache Spark, Hadoop, Data Visualization, Competitive Programming, DSA, Deep Learning and Neural Networks, Natural Language Processing, EMR, Hadoop, File system.

**Process**: Agile, Jira, Confluence

EDUCATION

**Postgraduate Certificate in Artificial Intelligence and Machine Learning** May 2023 – Jan 2025

Lambton College

**Bachelor of Technology in Electronics and Communication Engineering** Jun 2016 – May 2020

K L University

EMPLOYMENT EXPERIENCE

**Software Engineer | Database** **Administrator** Mar 2021 – Apr 2023

Innova Solutions

* Maintained the Database-related stored procedures and data in an order management solutions project, created Database design for a CRM module.
* Narrowed down the search response time by 200% by rewriting the Joins, adding indexes and using FULL TEXT search concept, hence performance tuning is achieved.
* Monitored the performance of DB server. Used Performance monitor tool and New relic tool for analysing the load on server.
* Migrated order and customer related data from upstream system, leading exposure to ETL tools.
* Developed effective stored procedures for Dashboard's screen which includes reports and analysis of orders placed by users.
* After production release, worked as production support engineer, where interaction with end clients, finding the issues in application by debugging logs and doing quick fix is accomplished.
* Updated certificates of Dev, Test environments for the application and Configured Jenkins server. Also did deployments to each environment.
* Worked on backend tasks like updating service classes and writing queries for repositories.

**Associate Software Engineer** Jan 2021 – Mar 2021

Innova Solutions

* Worked on migrating a retail project (Tech style) from SQL server to Snowflake.
* Built optimized queries that generated reports to clients on need basis.

**Trainee Software Engineer** Dec 2019 – Jan 2021

Innova Solutions

* Got trained in various domains which includes .NET, web design and SQL training.
* Developed a sample login web page, which stores logins and uses APIs to fetch the data that store in their login.

PROJECTS AND CERTIFICATIONS

**AWS Certified Cloud Practitioner**

**Big Data - Trendy Tech:** [**Git Hub Link**](https://github.com/velpurinagasai99/Spark)

* Created Map Reduce Jobs in Scala, HiveQL with best practices resulting optimization. About to stream them using Apache Spark – Kafka. Implemented all the concepts of Sqoop, HBase.

**Machine Learning:** [**Source code Link**](https://github.com/velpurinagasai99/Spark)

* Constructed an ML project for resume processing, including data collection, preprocessing, keyword analysis, and NLP tasks. Scope is to use cosine similarity.
* Revamp a CNN and Deep Learning for Chess game.