Kathmandu, Bagmati Nepal. PIN – 44600

PRABIN NYAUPANE

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in



OBJECTIVE

To pursue opportunities in a competitive environment that will challenge to push my boundaries and expand my knowledge in the field of IT industry while allowing me to add value to the dynamics of the organization.

EMPLOYMENT

Database Administrator

Cotiviti Nepal Pvt. Ltd.

April 2023 – Present

- Designed and implemented scalable MSSQL data solutions, ensuring alignment with business needs and comprehensive data management environments.
- Optimized SQL Server configurations for performance and security, managing user privileges and access control.
- Automated backup audits using PowerShell scripts and TSQL and performed key database management tasks to ensure peak performance.
- Implemented Always On Availability Groups for high availability, disaster recovery, and data consistency.
- Collaborated across environments (DEV, QA, UAT, PROD) to align data solutions with organizational goals.
- Installed SQL server and configured SQL Server Agent jobs, linked servers, replication, log shipping, and Resource Governor for efficient automation, integration, and resource allocation, while proactively monitoring and optimizing performance.
- Leveraged SSIS for Oracle to MSSQL data migration, replication, and integration.
- Implemented database cloning for testing and development, ensuring data consistency.
- Managed replication across environments for seamless synchronization and reduced latency.
- Optimized SSIS workflows for large-scale data transformations, improving load times and system efficiency.
- Led database and server patching activities, ensuring system stability, security, and compliance.
- Managed major release cycles by providing end-to-end support and deploying critical components, including cubes and databases, to enhance performance and functionality.

Database Administrator

Cloudsewa

March 2022 - April 2023

- Performed recovery and backup of database servers and distributed server backup during emergencies.
- Migrated 1000+ databases from MSSQL to PostgreSQL database, configured and managed 20 plus MSSQL Database Servers of a Product based Company and Monitored System's Health and Performance.
- Scheduled Indexing and Backups (Full and Differential) for Databases using SQL Server Management Studio on Windows Server and using Bash Script and Cronjob on Linux Server.
- Consistently utilize well-developed analytical abilities in Performance Monitoring including the identification of Input/Output, Memory Bottlenecks, Blocking and Deadlocks caused by Complex Queries using SQL Server Activity Monitor/Profiler and Dynamic Management Views (DMV). Restored Databases from Live to UAT for Testing and Bug Fixing as per the developer's request.

Robotics, Intern

IIT Kanpur, India

Jun 2021 - Aug 2021

• Designed and simulated PUMA, SCARA robots using RoboAnalyzer and CProg tool.

SKILLS

- . Knowledge of object-relational mapping (ORM). Good knowledge of DBMS.
- Ability to build and maintain data pipelines (ETL).
- Knowledge in writing SQL queries, procedures, functions.
- . Good communication skills in English.

Languages and Technologies

- Programming Languages C, C++, Assembly, Python (basic), SQL (Advanced), PowerShell
- Operating System Windows Server, Linux (Cent OS, Red Hat, Ubuntu)
- Database/Softwares MSSQL, PostgreSQL, MySQL, Oracle, Mobaxterm, DBeaver, SSMS, RDM, PGAdmin, VS
- Frameworks and tools JIRA, Confluence, Bitbucket, Rubrik, Solarwinds, Orion, Redgate, Pagerduty
- Others -Cloud (AWS S3, EC2, Lambda), GitHub, VirtualBox, nginx, Apache, IIS, Snowflake

EDUCATION

Chennai, India

Vel Tech Rangarajan Dr Sagunthala R&D Institute of Science & Technology

June 2018 - June 2022

- B.Tech. in Electronics and Communication Engineering. CGPA: 8.4/10
- Main coursework: Basic and Professional Python, Embedded Systems, Digital and Analog Electronics, Digital Communication Networks, Microprocessor and Microcontroller, VLSI design

B.TECH. MAJOR PROJECT

- Design of Micro heater for gas sensor applications. Designed a micro heater and simulated it to test the average heat produced by micro heater varying different shapes and sizes using COMSOL Multiphysics.
- Design of micro strip patch antenna as sensor in minor project. Designed and simulated different types of sensors to extract the extravasation on human body using ANSYS HFSS.

ACHIEVEMENTS AND CERTIFICATIONS

- Published research paper in IEEE journal (<u>Design of Microstrip Patch Antenna for Wearable Extravasation</u>
 <u>Detection Device for Intravenous (IV) Therapy</u>," 2022 8th International Conference on Advanced Computing and Communication Systems (ICACCS), Coimbatore, India, 2022, pp. 135-139, doi: 10.1109/ICACCS54159.2022.9785068.)
- Certifications: '<u>SQL Projects for Beginners</u>' by Great Learning, '<u>Intro to Machine Learning</u>' by Kaggle, '<u>Python</u>' by Kaggle

REFERENCES

Dr. GR Kanagachidambaresan

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