

# Purevdorj Enkhjargal

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Willing to relocate to any part of USA

## Education

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<b>Gannon University</b> , Erie, PA, United States of America	12/2022
Master of Computer Science, Data Science	GPA: 4.0

<b>Keonig IT Solutions</b> , New Delhi, India	09/2013
Microsoft Certified Professional	

<b>Mongolian University of Science and Technology</b> , Ulaanbaatar, Mongolia	10/2010
Bachelor of Computer Science, Software Engineer	

## Work Experience

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<b>Gannon University</b> , Erie, Pennsylvania, United States of America	10/2021 - Present
Graduate Assistant at College of Engineering and Business	
<ul style="list-style-type: none"><li>Developed new features and fixed bugs on the Institutional Review Board (IRB) system as a full-stack developer.</li><li>Improved data modeling and analyzed performance tuning to increase the IRB system performance. The system is 3 times faster than before.</li><li>Re-architected and redesigned old legacy UI stack into the modern reactive client-side application of IRB.</li><li>Developed a new version of the IRB system from scratch using Next.js and Fast API frameworks.</li></ul>	
Technologies: ASP.net, C#, MSSQL, AWS EC2 and RDS, Python, FastAPI, Node.js, Next.js, GitHub	

<b>Gannon University</b> , Erie, Pennsylvania, United States of America	10/2021 - Present
Data Analyst at Institutional Research Assessment and Analytics	
<ul style="list-style-type: none"><li>Manipulated data and created graphs and tables to assist with data collections.</li><li>Provided data on enrollment and retention trends for assessment and analytics.</li><li>Developed the calculated JavaScript functions on the Informer BI.</li></ul>	
Technologies: Excel, Informer BI, JavaScript	

<b>Nubisoft LLC</b> , Ulaanbaatar, Mongolia	02/2020 – 08/2021
Lead Software Engineer	
<ul style="list-style-type: none"><li>Led and supervised a team with 10+ members, mentored them to become stronger with our technology stack.</li><li>Implemented CI/CD on GitHub for automating software development pipelines.</li><li>Made Application Design including REST APIs and microservices to build an innovated financial service.</li><li>Designed and implemented predictive models to evaluate the loyalty score of the payment system using Python.</li><li>Deployed and monitored the models on AWS.</li></ul>	
Technologies: AWS, Docker, Kubernetes, Python, Keras, TensorFlow, Scikit-learn, Spring Boot, GitHub actions, Jira	

<b>Bogd Bank</b> , Ulaanbaatar, Mongolia	10/2016 – 02/2020
Lead Data Architect	
<ul style="list-style-type: none"><li>Designed and Implemented Data Warehouse on Oracle Database to aggregate, store and process information from Card, Core Banking, and CRM data.</li><li>Developed Business Intelligence System on Pentaho Business Intelligence with the Star Schema to allow the stakeholders to build reports and dashboards with no difficulties.</li><li>Created and Deployed Data Integration Pipelines using PL/SQL, Bash Script on Linux Environments to collect information daily.</li><li>Prepared and Executed ETLs, Stored Procedures for data migration between the old core banking system and the new core banking system to populate all information including CRM, Accounting, General Ledger, and Financial Transactions.</li></ul>	

Technologies: Oracle, MSSQL, MongoDB, Gitlab, Jira, Java, PL/SQL, Pentaho BI tools, Bash script, Linux, Unix

**Ministry of Social Welfare and Protection**, Ulaanbaatar, Mongolia

09/2015 – 10/2016

Business Intelligence Developer

- Designed and Implemented Data Warehouse on Oracle Database to collect all information on social welfare services of Mongolia.
- Installed and configured on-premises Tableau Business Intelligence server on Linux environment to provide access for the stakeholders who make decisions to the Government.
- Developed and automated ETL pipelines using Talend Data Studio to provide the Data Warehouse.
- Created reports, dashboards, and stories on Tableau Desktop to deliver to the stakeholders.
- Deployed Tableau Reports on Tableau Server for monitor processes.
- Trained and delivered the Business Intelligence System to the IT team.

Technologies: Tableau, Talend Data Studio, Oracle, MSSQL, MySQL, MongoDB, Bash Script, C, C++, Java, Git

**Golomt Bank**, Ulaanbaatar, Mongolia

05/2013 – 08/2015

Data Engineer

- Developed custom ETL tools for CDC pipelines end of day transactions to collect data at specific times for providing data warehouse.
- Monitored scheduled jobs on Linux, Unix environments using shell scripting.
- Handled daily backup, recovery, replication automated processes for further disaster recovery.
- Made performance tuning on Oracle Database 11g to decrease Memory, CPU, I/O usage of on-premises servers.
- Made data migration between the former and new systems of core banking using PL/SQL.

Technologies: Oracle, Data guard, RAC, ODI, OBIEE, MSSQL, MongoDB, PL/SQL, Git, Bash Script, C, C++

**Golomt Bank**, Ulaanbaatar, Mongolia

05/2010 – 05/2023

Software Engineer

- Developed a new version of Online Banking System with client-server architecture using ASP.net MVC, Razor.
- Developed REST-API to remote execute tasks to provide the mobile banking application.
- Worked as a support engineer of the Online banking system to troubleshoot the issues.

Technologies: ASP.net, C#, PHP, jQuery, AJAX, CSS, Web services, Jira, Microsoft Team Foundation

## Certifications

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**Python for Data Science and Machine Learning Bootcamp**, Udemy 03/2022

**Data Analytics: MicroStrategy, Tableau, QlikView, Power BI**, Udemy 03/2022

**Big Data Basics: Hadoop, MapReduce, Hive, Pig, & Spark**, Udemy 03/2022

**Microsoft Certified Solution Associate – SQL Server** 09/2013

- Querying Microsoft SQL Server

- Administering Microsoft SQL Server Databases

- Implementing a Data Warehouse with Microsoft SQL Server

**Microsoft Certified Professional** 08/2013

## Skills

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**Languages:** Java, Python, JavaScript, PHP, C#, C, C++, SQL, PL/SQL

**Web:** JavaScript, HTML, CSS, JSON, Bootstrap, jQuery, FastAPI, Node.js, Next.js, Spring Boot, Tailwind CSS

**Cloud & big data technologies:** Azure, AWS, Apache Spark

**NoSQL & Relational Database:** Oracle, MSSQL, MariaDB, MySQL, MongoDB, Cassandra, AuroraDB

**Design Patterns:** MVC, Singleton, Facade, Factory

**SDLC:** Agile Scrum and Kanban

**Other:** Git, MS Visual Studio, PyCharm, Eclipse, Tableau, Pentaho Reporting, Toad, PuTTY, Postman, JIRA, Confluence, Jupyter Notebook, CI/CD, Kubernetes, Docker