Khatantuul Batbold

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Education

Northeastern University | Boston, MA Expected: Dec 2024
Master of Science in Information Systems **GPA: 3.8/4.0**
Courses: Application Engineering, Data Structures and Algorithms,
Web Design and UX, Advanced Big Data Indexing, Agile Software Development

Jagiellonian University | Krakow, Poland Jul 2016
Bachelor European in International Affairs **GPA: 5.0/5.0**

Skills

Programming languages: Python, JavaScript, Java
Web development: HTML5, CSS3, Sass, React, Spring Boot, Node.js, REST APIs, JSON, Spring, Express.js
Databases: SQL (SQL Server), NoSQL (MongoDB, Redis)
BI tools/Technologies: ElasticSearch, GraphQL, RabbitMQ, Microsoft PowerApps, PowerAutomate, Microsoft PowerBI, Microsoft Office Suite

Experience

Analyst Project Services | Rio Tinto Mongolia | Apr 2021 – Aug 2022
· Created tailored SharePoint sites for various teams, facilitating information sharing, and document management
· Reduced clients' hours on manual requests by 30% by automating service request submissions on internal ticketing system using Microsoft Power Automate
· Initiated and built a desk booking application using Microsoft PowerApps for a 45-seat office accommodating 150 employees. Application in use since Nov 2021, optimizing office seat utilization and streamlining the booking process

Programming projects

Full Stack memory surprise application | React, Express, MongoDB, AWS S3
· Developed a NodeJS full-stack application aimed at fostering stronger parent-child bond
· Leveraged technologies such as React, Express, and AWS S3
· Achieved features like adding notes and tags to each photo to optimize search functionality and immersive vintage album view with flip-over feature to see notes

Insurance plan management system | Spring Boot, Redis, Elasticsearch
· Designed and built REST APIs for CRUD operations on medical insurance plans.
· Accomplished a graph-based storage approach for insurance plan JSON data, leveraging the inherent relationships within the dataset to optimize operations
· Applied inverted indexing on Elasticsearch for efficient retrieval
· Implemented a robust queue system to optimize processing workflow

Tiered URL management with rate limiting | Express, Redis, MongoDB, Oauth2
· Developed a comprehensive URL management system integrating tiered access levels and rate limiting
· Implemented endpoints for shortening long URLs, redirecting short to original links, and retrieving user specific history
· Integrated tier-based rate limiting, allowing Tier 1 users 100 requests and Tier 2 users 1000 requests

Volunteer service request management system | Java Swing
· Architected and led a team of 3 to develop a Java Swing (front-end) application for a request management system with a connection between elderly users and volunteer service providers
· Integrated a pull system for four levels of volunteer service providers to effeciently respond to requests