

# Khatantuul Batbold

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## Education

**Northeastern University | Boston, MA**

Master of Science in Information Systems

Graduation: Dec 2024

**GPA: 3.75/4.0**

**Courses:** Operating Systems, Application Engineering, Data Structures and Algorithms, Web Design and UX, Advanced Big Data Indexing, Agile Software Development, Network Structures and Cloud computing, Database Design

## Skills

**Programming languages:** Python, JavaScript, Java

**Development:** Flutter, Spring Boot, React, Node.js, Spring, Express.js, HTML5, CSS3

**Databases:** SQL (MySQL, PostgreSQL, SQL Server), NoSQL (MongoDB, Redis), ElasticSearch

**DevOps:** Google Cloud Platform (GCP)

## Experience

**Software Engineer Intern | KNOW Systems Corp | Jan 2024 – Sep 2024**

- Developed and maintained the entire front-end of a mobile app using Flutter, delivering a seamless cross-platform experience for Android and iOS users
- Collaborated closely with backend developers to implement features, optimize performance
- Continuously improved app design that led to 90% of users leaving positive feedback on the UI/UX design
- Integrated RESTful APIs, Firebase, and other third-party services for real-time data synchronization and user authentication
- Implemented state management solutions (Provider, Riverpod) to handle complex user interactions and improve app scalability
- Played a key role in app beta testing by automating the build process using Codemagic

**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 ServiceNow 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
- Implemented a robust queue system to optimize processing workflow