

Khatantuul Batbold

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Education

Master of Science in Information Systems

Aug '22 - Dec '24

Northeastern University | Boston, MA

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

Skills

- **Programming:** Python, JavaScript, Java, Unix Shell/Bash, JSON, YAML
- **Development Tools:** Flutter, Spring Boot, React, Node.js, Spring, Express.js, Figma, Git, HTML, CSS
- **Databases:** SQL (MySQL, PostgreSQL, SQL Server), NoSQL (MongoDB, Redis), ElasticSearch, BigQuery
- **Cloud Computing:** Terraform, Google Cloud Platform (GCP), Microsoft Azure, AWS, VPC, IAM, EC2, Packer
- **CI / CD Tools:** Docker, Jenkins, GitHub, Maven, Apache Tomcat, Github Actions

Experience

Software Engineer Intern

Jan '24 - Sep '24

KNOW Systems Corp | Boston, MA

- Developed the entire front-end of a mobile app using Flutter, delivering a seamless cross-platform experience for Android and iOS users that meets all testing scenarios
- Collaborated closely with backend developers in Agile teams and the Product Owner to implement features, resulting in a 25% faster feature delivery
- Improved app design that led to 90% of users leaving positive feedback on the UI/UX design
- Integrated REST API's, Firebase, and other third-party services following software engineering practices, resulting in an average API response time of 200 ms
- Reduced initial load times by 50% through effective state management solutions (Bloc, Riverpod)
- Implemented advanced search functionality with FastAPI, integrating keyword and semantic search using Elasticsearch for over 680,000 standalone sentences
- Maintained app beta testing through the automation of the build process using Codemagic, saving 2 hours daily by using CI/CD pipelines and automated testing features

Analyst Project Services

Apr '21 - Aug '22

Rio Tinto | Mongolia

- Built a mining glossary web application using React, Flask, and SQL Server with 50,000 terms
- Designed and implemented over 20 tailored SharePoint sites for the IT and HR teams, enabling seamless information sharing and efficient document management
- Reduced clients' hours on manual requests by 30% by automating service request submissions on ServiceNow using Microsoft Power Automate
- Created a desk booking application using Microsoft PowerApps for a 45-seat office accommodating 150 employees with features like seat availability tracking

Programming projects

New user tracking system in Spring Boot

Jan '24 - Apr '24

- Developed a Spring Boot web app integrated with Cloud PostgreSQL and continuously tested and delivered using GitHub Actions to decrease deployment time by 25%
- Accelerated provisioning time for cloud infrastructure - VPC, DNS, Serverless, Load Balancer, and CentOS Virtual Machine by 30% leveraging Terraform, Packer, and GitHub Actions
- Deployed on Google Cloud Platform (GCP) using Compute Engine instances behind a load balancer to ensure high availability and fault tolerance for large-scale traffic