

Khatantuul Batbold

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Education

M.S. Information Systems, Northeastern Univ. | Boston, MA (Aug 2022 – Dec 2024)

Relevant Courses: Operating Systems, Network Structures and Cloud computing, Data Structures and Algorithms, Database Design, Advanced Big Data Indexing

Technical Skills

Programming Languages: Java, JavaScript, TypeScript, Python

Frameworks: Node.js, ReactJS, FastAPI, Spring Boot, Flutter, HTML, CSS, JUnit, Cypress, Playwright, Maven

Databases: SQL (MySQL, Postgres, SQL Server), NoSQL (MongoDB, Redis), Oracle, Elasticsearch, BigQuery

Cloud & DevOps: AWS, Google Cloud Platform (GCP), Docker, Packer, Jenkins, GitHub Actions, Linux, Terraform

Professional Experience

Software Engineer Intern | Know Corp | Boston, MA | Jan 2024 - Sep 2024

- Launched a Flutter-based mobile app (Android/iOS), earning 90% positive UI/UX feedback
- Optimized API endpoints and database queries, reducing response times to under 200ms
- Implemented transformer-based models for vector embeddings and semantic search across 680,000+ entries, ensuring sub-200ms query performance
- Improved app load times by 50% through advanced state management (Bloc, Riverpod)
- Played a key role in the full product lifecycle, from MVP to a successful product launch

Analyst Project Services | Rio Tinto | Ulaanbaatar, Mongolia | Apr 2020 - Aug 2022

- Developed glossary web app managing 50K+ terms (React, Flask, SQL Server)
- Automated service workflows with Microsoft Power Automate, reducing manual effort by 30%
- Built a desk-booking system in PowerApps, enabling 150 employees to manage seat availability

Projects

SecurePrompt - AI Security Tool (View on [github](#))

- Designed and developed a browser extension to prevent accidental exposure of sensitive data in code snippets submitted to ChatGPT and DeepSeek
- Built and trained a token classification model using CodeBERT achieving 99% accuracy in detecting API keys and credentials
- Implemented a FastAPI backend service for real-time sensitive data detection and classification

New user tracking system

- Developed a Spring Boot app with Java APIs, Cloud PostgreSQL, and JUnit, cutting deployment time by 25% via GitHub Actions
- Automated resources provisioning with Terraform and Packer, improving efficiency by 30%
- Deployed on GCP with load balancing for high availability and scalability

Certifications AWS Certified Developer - Associate (View [Badge](#))