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, Spring Framework, Flutter, HTML, CSS, JUnit, Cypress, Playwright

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

Programming projects
MyDear App (https://my-dear-app.vercel.app/)
• Built and deployed a full-stack app with React (Vite) for fast builds and optimized performance
• Integrated ExpressJS REST APIs and implemented AWS S3 for secure and efficient media storage

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 VPC, DNS, Load Balancer, and server 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)