

Ganzorig Erdenibat

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SUMMARY

Result driven software engineer with 6 years of experience specializing in distributed systems and backend systems. Skilled in designing, developing, and optimizing scalable and fault-tolerant solutions for complex infrastructures.

EXPERIENCE

- **Mux, Software Engineer** May. 2022 - Present | San Francisco, CA
 - **Mux Dashboard:** Built new features and functionalities for the billing system, such as: 3D Secure verification support for the credit cards, additional analytical instruments to better understand the user conversion rate, multi-tier usage based pricing and cloud marketplace integration (i.e. AWS, GCP, Azure etc). *Technologies used: Elixir, Phoenix, React.js, Exq, Oban, PostgreSQL, CockroachDB, Clickhouse, Redis, AWS, K8s, Bazel, Buildkite.*
 - **Real-Time Video usage API:** Built a real-time video usage API, enabling developers to access and understand the usage of the Real-Time video product by collecting usage data from clusters deployed in multi-regions. *Technologies used: Go, gRPC, Protobuf, Kafka, Clickhouse, AWS, K8s, Bazel, Buildkite.*
- **WithMe Health, Senior Software Engineer** Feb. 2021 - May. 2022 | San Mateo, CA
 - **Pharmaceutical guide application:** Built new features to support interactions between pharmaceutical guides and patients with instant-messaging, patient call center and assessment system on the React.js web application. *Technologies used: React.js, Redux, Sendbird, AWS Connect, Split.io.*
 - **Microservices:** Led the efforts of building and delivering microservices responsible for handling user authentication/authorization, and API gateways for web and mobile applications. *Technologies used: Python, FastAPI, PostgreSQL, Kafka, Kong Gateway, Okta.*
 - **3rd party integration:** Led the successful integration of third-party systems (Script Care, Consociate ...) and APIs to further enhance the data ingestion pipeline, enabling seamless data exchange and enhancing functionality. *Technologies used: Python, FastAPI.*
 - **Data ingestion pipeline:** Worked on optimization efforts of the ETL pipeline, resulting in improved data processing efficiency, reduced latency, and enhanced scalability that resulted in 33% faster processing time. *Technologies used: Python, PostgreSQL, Kafka, Elasticsearch, Cassandra, Hazelcast IMDG, Airflow.*
- **WithMe Health, Software Engineer** Oct. 2019 - Feb. 2021 | San Mateo, CA
 - **Data ingestion pipeline:** Worked on robust and scalable ETL pipeline, enabling efficient and reliable data acquisition from various sources. *Technologies used: Python, PostgreSQL, Kafka, Elasticsearch, Cassandra.*
 - **Internal framework:** Led the development and implementation of an internal framework to streamline software development processes and enhance code reusability across projects which helped to increase the code re-usability by over 50% through standardized development practices.
- **Genius Plaza Inc., Full-stack Developer** Aug. 2018 - Sep. 2019 | Miami, FL
 - **Monolith to microservices conversion:** Worked on successful conversion of a monolithic system to microservices architecture resulting in improved scalability, maintainability, observability and deployment efficiency. *Technologies used: Python/Django, PostgreSQL, Docker, AWS ECS, AWS RDS, AWS S3, AWS ELB, AWS Route53, AWS CloudWatch, Jenkins.*
 - **Database optimization:** Performed database normalization and optimized SQL queries that helped to cut down overall query execution time by 45%.

EDUCATION

- **Maharishi University of Management** Fairfield, IA
Master of Science in Computer Science; GPA: 3.80 Oct. 2017 - Jun. 2020
- **Mongolian University of Science and Technology** Ulaanbaatar, Mongolia
Bachelor of Science in Software Engineering; GPA: 3.46 Aug. 2013 - Jan. 2017

PROGRAMMING SKILLS

Languages: Elixir, Python, JavaScript/TypeScript, Go	Frameworks: Phoenix, Django, Flask, FastAPI
Web: React, Redux, CSS3/HTML5/SASS	Web Services: REST, gRPC, GraphQL
Databases: PostgreSQL, Clickhouse, Redis	Other: Git, K8s, Docker, AWS, GCP, Kafka, Elasticsearch