

Darkhanbayar Erdenebat

DevOps Engineer | AWS Cloud Engineer

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SUMMARY

DevOps and Cloud Engineer with 7 years in software engineering, 5 of them building and operating production cloud infrastructure. Built **Cloud.mn — Mongolia's first public cloud platform** — from the ground up to 300+ enterprise clients, and led its expansion into Kazakhstan. AWS Certified Solutions Architect — Professional. Hands-on across AWS, Terraform, Kubernetes, OpenStack, CI/CD, and production observability.

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

TECHNICAL SKILLS

AWS: EC2, ECS, ECR, Auto Scaling, Launch Templates, VPC, ALB/ELB, Route 53, CloudFront, ACM, RDS (Multi-AZ), S3, CloudWatch, SNS, IAM, Secrets Manager, SSM — and others across compute, networking, data, and security

Private Cloud & Virtualization: OpenStack, KVM

IaC & CI/CD: Terraform, Ansible, GitHub Actions, GitLab CI, container build & scan pipelines, rolling & zero-downtime deploys

Containers & Orchestration: Kubernetes, Docker, Helm

Observability & Security: Prometheus, Grafana, Node Exporter, Blackbox Exporter, OWASP, SonarQube, Snyk, IAM least-privilege

Languages & Data: Go, Python, TypeScript, Bash, PostgreSQL, MySQL/MariaDB, Redis, RabbitMQ

Systems: Linux, Nginx, HAProxy, TLS, DNS, Distributed Systems, Microservices

EXPERIENCE

SENIOR DEVOPS / CLOUD ENGINEER

Mar 2024 – Jan 2026

Tech Partners

Ulaanbaatar, Mongolia

- Architected and codified a **multi-AZ AWS platform in Terraform** (VPC, ALB, Auto Scaling, EC2 Launch Templates, RDS Multi-AZ, Route 53, ACM, ECR, Secrets Manager, SSM), replacing a fragile single-instance production setup with a highly available environment supporting zero-downtime releases.
- Standardized CI/CD across **5+ products** on **GitHub Actions and GitLab CI** — build, test, OWASP-aligned scanning (SonarQube, Snyk), push to ECR, rolling deploy — reducing change failure rate by **30%**.
- Established the production observability stack (Prometheus, Grafana, Node Exporter, Blackbox Exporter, CloudWatch, SNS) with alerting on ASG lifecycle events, RDS CPU, and endpoint health; authored the runbook that let the operations team own deploys and incident response independently.
- Reduced monthly AWS spend by **40%** via instance right-sizing, Auto Scaling target tracking, caching to cut RDS load, and elimination of idle capacity.
- Delivered **MedOrder**, a healthcare SaaS platform (Go, PostgreSQL, Redis, Kubernetes) processing **40,000+ pharmaceutical orders** under full regulatory compliance — owning both the application and its production infrastructure.

PLATFORM ENGINEER

Mar 2025 – Jan 2026

EasySim.mn

Remote · Ulaanbaatar, Mongolia

Independent venture, built and operated solo alongside full-time engineering work — international eSIM service delivering mobile data in 100+ countries through a Mongolian super app.

- Ran the entire production platform single-handed** — containerized services behind Nginx with TLS termination, centralized logging, health checks, and uptime monitoring. No ops team, no downtime budget.
- Integrated multiple international eSIM supplier APIs for catalog sync, ordering, QR-code delivery, and activation tracking, enabling **fully automated 24/7 fulfillment** with zero manual steps in the purchase path.
- Built the platform on Go, TypeScript, Node.js, PostgreSQL, Redis, and Docker, automating product, pricing, and data-plan management.

- Automated customer support with an **OpenAI agent** — RAG over the product knowledge base plus custom tools that act on real orders, resolving social-channel enquiries with no human in the loop.

SYSTEM ARCHITECT

Apr 2022 – Mar 2024

Fibo Cloud

Ulaanbaatar, Mongolia

Cloud provider behind Cloud.mn — Mongolia's first public cloud platform.

- Directed platform engineering for **Cloud.mn and TTC Cloud** (OpenStack, KVM, Kubernetes, Docker, MariaDB, Redis, RabbitMQ), leading **20+ engineers, architects, and PMs**.
- Took the company's own cloud platform international, launching **TTC Cloud on Transtelecom — Kazakhstan's largest datacenter** — coordinating datacenter operations, local payment providers, and regional compliance.
- Owned platform reliability and the production on-call rotation, sustaining **99.95% uptime**.
- Automated infrastructure provisioning and deployment workflows (Ansible, CI/CD), accelerating time-to-market for new cloud services by **35%**.

SENIOR SOFTWARE ENGINEER / TEAM LEAD

Oct 2021 – Apr 2022

Fibo Cloud

Ulaanbaatar, Mongolia

- Led the infrastructure build-out of **Cloud.mn** with **10+ engineers** (OpenStack, KVM, Ansible), building the provisioning automation that made customer onboarding self-service and cut manual provisioning time by **90%**.
- Built backend services on OpenStack APIs (Compute, Networking, Identity, Storage) with Kubernetes orchestration, enabling self-service multi-tenant resource management at scale.

FRONTEND ENGINEER

Mar 2019 – Oct 2021

Fibo Cloud

Ulaanbaatar, Mongolia

- Built the Cloud.mn control panel (React, TypeScript) from the platform's earliest stage — the user-facing layer of Mongolia's first public cloud.
- Moved into infrastructure through self-directed work on Ansible and the OpenStack APIs, taking on cloud delivery alongside frontend work and transitioning into platform engineering within two years.
- Led UFE's migration to **AWS** (CloudFront, EC2, EBS, RDS for MySQL, Auto Scaling) during Mongolia's COVID-19 lockdown — delivered in **10 days** for **6,000+ students**, since sustaining **99.99% availability**. **Published as an official AWS case study**.

CERTIFICATIONS

AWS Certified Solutions Architect – Professional · Amazon Web Services

Jun 2026

COMMUNITY

AWS Community Mongolia — Organizer

2019 – Present

- Grew Mongolia's AWS user community to **1,200+ members**, ran **50+ technical events**, and mentored **20+ engineers** to AWS certification.

EDUCATION

M.S., Computer Science · Maharishi International University, Fairfield, Iowa

Feb 2026 – Oct 2028 (expected)

B.S., Information Technology · Mongolian University of Science and Technology

2014 – 2018