

KHANGAL ENKHS AIKHAN | Cybersecurity Analyst

Ulaanbaatar, Mongolia | e.khangall@gmail.com | linkedin.com/in/khangal-enkhsaikhana

Technical skills: Python, Shell scripting, Malware Analysis, Incident Detection and Response, Threat Analysis, Cyber drill, CI/CD (GitHub Actions, GitLab), SDLC, Terraform, Kubernetes, GitOps, DevOps, Cloud-computing

EXPERIENCE

MNCERT/CC (*Membership-based Non-Governmental CERT Organization*)

Cybersecurity Analyst

Feb 2025 – Present

- Planned, prepared, and executed cyber drills for ITACTIC and Mongolian Critical Information Infrastructure, coordinating with the MNCERT/CC team to validate incident response readiness.
- Investigated and analyzed newly spreading malware campaigns in Mongolia; produced threat intelligence and incident reports with actionable mitigation guidance for stakeholders.
- Coordinated Haruulzangi U18 and acted as infrastructure engineer for Haruulzangi 2025 CTF: maintained contest infrastructure, automated challenge authoring/review workflows, deployment and ensured stability.
- For community, designed and developed a new [Haruulzangi CTF website](#) using Next.js, Tailwind, and shadcn/ui. Supported the launch of a Bug Bounty program for Mongolian Bankers Association member organizations; hosted the finale CTF competition. Participated in APCERT regional cyber drills and co-hosted cyber exercises for MNCERT/CC member companies.

ZEROTECH LLC (*Subsidiary of Shunkhlai Group*)

System Administrator, DevOps engineer

Sep 2023 – Feb 2025

- Designed and implemented CI/CD pipelines from scratch to streamline software delivery and improve SDLC, operated and maintained systems/servers to ensure infrastructure reliability, including monitoring, troubleshooting, backup, and release support across GS25 Mongolia, Fundea fundraising platform and APU beverage manufacturer projects.
- Automated infrastructure tasks through scripting to reduce manual effort and operational error risk and supported environments and deployments for services built with Java, Node.js, Golang, Python, including MongoDB and PostgreSQL operations (backup and maintenance).
- Implemented container-based deployments using Docker Compose and Swarm clusters; managed NGINX reverse-proxy configurations across multiple Shunkhlai Group projects. Identified and reported a critical authentication vulnerability in the GS25MN mobile application, supporting developers toward remediation.

AND Systems Tech LLC (*Subsidiary of AND Global Pte. Ltd. group*)

Site Reliability Engineer

Jun 2022 – Aug 2023

- Migrated LendMN microservices from AWS EC2 to Amazon EKS (managed Kubernetes) to improve scalability, reliability, and deployment standardization and delivered AWS 40% cost reduction initiatives as part of platform modernization and Kubernetes adoption. Transferred AWS infrastructure to Terraform IaC, improving repeatability, auditability, and environment consistency.
- Implemented GitOps practices and GitLab CI/CD pipelines across 5+ products and integrated OSV vulnerability scanning into CI workflows to shift-left dependency risk detection and enable faster remediation.
- During internship, performed mobile application API testing to optimize backend calls, reduce latency, and improve scalability. Containerized WordPress hosted websites to automatically deploy on Kubernetes cluster by restoring S3 backups with *wpccli* tool. Recognized for impactful contributions and proactive initiatives, leading to a promotion to part-time status while continuing academic studies.

LEADERSHIP

Computer&Communication Security Club – Mongolian University of Science and Technology

Head Member, Advisory Member

Sep 2020 – Present

- Organized cybersecurity events, competitions including MUST CTF and BankSec and directed a team of 20+ members, fostering a collaborative environment for skill development in cybersecurity.

Kheshig – CTF team (*CTFtime: <https://ctftime.org/team/305688>*)

CTF Player, Founding Member

Jun 2024 – Present

- Actively participating world rated competitive hacking events on CTFtime.org for a year and a half. Participated on-site finals for globally recognized competitions: 1st place in Mongolia (CTFtime.org 2024 rating), Top 100 (CTFtime.org 2025 rating), [BlackHat MEA CTF](#) 2024 (38th place / 250 teams), 2025 (14th place / 125 teams) and classic Attack & Defense [VolgaCTF](#) 2025.

EDUCATION

Mongolian University of Science and Technology

Sep 2020 – Jun 2024

Bachelor of Engineering, Information System Security; Cumulative GPA: 3.4/4.0

Participating in a Research and Creation conferences with the topic of "Improving cloud architecture performance of text-to-speech AI"

HONORS AND AWARDS

- Haruulzangi 2023 – **3rd place**
- BlackHat MEA CTF 2024, 2025 – **Finalist**
- VolgaCTF 2023 – **Finalist**
- HackTheon Sejong International University Students' Cyber Security Competition 2023, 2024 – **Finalist**
- MUST Mongolian University Students' CTF 2023 – **1st place**
- Empasoft Mongolian University Students' CTF 2024 – **1st place**
- Haruulzangi U18 – **Organizer since 2022**