Nurkanat Baisenkul

Solutions Architect | DevOps

GitHub: https://github.com/tuchaVshortah

Address: Almaty, Kazakhstan

LinkedIn: https://www.linkedin.com/in/nurkanat-baisenkul/

Email: nurkanat@nurkanatb.kz

As a skilled Cybersecurity Engineer, I hold a robust background in software development, DevOps, and cybersecurity. My professional journey includes key roles where I have directly improved network security through innovative solutions. These experiences underscore my capability to contribute effectively in IT environments requiring security and technical knowledge.

EXPERIENCE

Institute of Space Engineering and Technologies LLP
February 2025 - Present

First Category Engineer

- Configured advanced PostgreSQL replication and logging. Wrote a custom passwordcheck module that enforces password policies.
- Set up RabbitMQ clusters and replication for high availability.
- Set up GitLab on-premise and Docker runners. Created CI/CD pipelines to auto install dependencies, lint, build, test (SAST) and deploy.
- Set up Hashicorp Vault for secure secret storage. Configured path policies and roles. Managed SSL certificates through Vault PKI.
- BIND9 DNS server administration.
- Linux administration. Management of permissions and entities (users, groups). Secure configuration of remote access services such as SSH and FTP. Miscellaneous stuff such as port management, crontabs.

Epam Kazakhstan
July 2024 - February 2025

Cloud&DevOps Student Trainee

- Acquired knowledge in Docker, Kubernetes, CI/CD with Jenkins, GitLab, and GitHub, enhancing my technical skills.
- Successfully deployed applications using AWS, demonstrating my ability to handle complex cloud platforms.
- Implemented the Infrastructure as Code (IaC) approach with AWS Cloudformation and Terraform, showcasing my proficiency in modern DevOps practices.

Akhmet Yassawi University, Turkestan
March 2024 - August 2024

IT Specialist

- Provided technical support and administration services as an IT Specialist at Akhmet Yassawi University.
- Utilized expertise in troubleshooting and maintaining IT systems to ensure smooth operational flow.

Development Bank of Kazakhstan, Nur-Sultan
June 2021 - August 2021

Cybersecurity Engineer

- Utilized Python and Rust skills to conduct comprehensive network security tests at the Development Bank of Kazakhstan (DBK).
- Developed a software solution capable of detecting ARP spoofing attacks on the local network, enhancing the bank's cybersecurity infrastructure.
- Contributed to the elevation of the bank's cybersecurity level over a three-month period, effectively preventing potential breaches.
- Acquired new cybersecurity techniques and tools through collaboration with experienced peers and mentors.

EDUCATION

Suleyman Demirel University
September 2024 - Present

Master of Computer Science

- Skills: Machine Learning • Programming • Advanced Python • Management • Psychology
- GPA: in progress

Astana IT University

September 2021 - June 2024

Bachelor of Cybersecurity

- Skills: Web Development · Linux · Cybersecurity · Assembly Language · Network Security · C++ · Information Technology · Information Security · Python · SQL · Cryptography · Software Development · Bootstrap · Java
- GPA: 3.37

SKILLS

Cybersecurity, CI/CD, DevOps, Administration, DNS Administration, AWS, English (IELTS 7.5), Container Orchestration

LANGUAGES

English (Fluent, Conversational), **Kazakh** (Native), **Russian** (Fluent, Conversational)

CERTIFICATIONS

Google Cybersecurity Professional

February 2024

Google

Show Credential

CCNA: Switching, Routing, and Wireless Essentials

February 2023

Cisco

Show Credential

Network Security

November 2023

Cisco

Show Credential

PROJECTS

passwordcheck

PostgreSQL passwordcheck implementation

https://github.com/tuchaVshortah/passwordcheck

Written in C

ARP spoofing detector

https://github.com/tuchaVshortah/arp-spoofing-detector-rs

A program that detects the ARP spoofing attack in a local or corporate network. Sends logs back to a Syslog compatible server.

puff

https://github.com/tuchaVshortah/puff

Yet another passive subdomain enumeration tool