

# 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

### **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