# **Azamat Apsamatov**

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### **SUMMARY**

Engineer with a background in **network security, embedded systems, and cloud engineering**. Currently pursuing a Master of Science in Software Engineering at Cleveland State University. Experienced in **Linux, AWS, Docker, Kubernetes, Jenkins, CI/CD, Python, and Java**. Proven track record in **defending critical infrastructures** against cyber threats (e.g., large-scale DDoS mitigation), designing **secure communication systems**, and leading innovation projects in **AI voice agents and secure telephony**. Passionate about building **secure, reliable, and scalable systems** aligned with standards such as **IEC 62443**. **EDUCATION**

**Master of Science in Software Engineering** Cleveland State University, Cleveland, OH | Jan. 2024 – Present  
 (Expected Graduation: Dec. 2025 | GPA: 3.58)  
 Relevant Coursework: Software Engineering, Software Quality Assurance, Network Security & Privacy, System Programming (C), Data Structures & Algorithms

**Bachelor of Science in Radio Engineering** Kyrgyz State Technical University, Bishkek, Kyrgyzstan | 2004 – 2009**SKILLS**

* **Security & Networking:** Network Security, DDoS Mitigation, Cisco CCNA, Firewalls, Secure Telephony, Access Management, OT Infrastructure Support
* **Programming & Automation:** Python, Java, Bash, CI/CD Pipelines, Automated Testing
* **DevOps & Tools:** Docker, Kubernetes, Jenkins, Terraform, Ansible, Git
* **Cloud & Platforms:** AWS, Linux
* **Team & Process:** Agile / Kanban, Cross-functional Leadership  
  **CERTIFICATIONS**
* Cisco Certified Network Associate (CCNA)
* AWS Certified Cloud Practitioner
* ACM ICPC Programming Competition – Certificate of Outstanding Performance

### **EXPERIENCE**

**Innovation Team Lead (Practicum) – Voice AI & Secure Communication** *Pigybak (Startup Project)* – Cleveland, OH | Sep 2025 – Present

* Leading the **Innovation Pod**, working on a **Voice AI Agent** that makes automated calls based on calendar events.
* Designed and implemented a **secure call-routing system** that anonymizes client–contractor communication through an **intermediate number**, enhancing privacy and trust.
* Responsible for **cloud infrastructure** direction and deployment, ensuring scalability and security.
* Collaborating in an Agile team, driving innovation, sprint planning, and knowledge sharing across the pod.

**Network Administrator** *National Bank of the Kyrgyz Republic* – Bishkek, Kyrgyzstan | Dec 2020 – Jul 2022

* Administered and secured a large-scale financial network (100+ switches, 10 routers, 4 firewalls).
* Designed and deployed a secure on-premises data center network for a new headquarters.
* **Mitigated the largest DDoS attack in the Bank’s history (Mar 2022)**, coordinating with Cisco TAC.
* Managed firewall rules, user access, and connectivity for nationwide commercial banks.

**2G/3G/4G Support Engineer** *ZTE Kyrgyzstan* – Bishkek, Kyrgyzstan | Jan 2015 – Jul 2020

* Supported and optimized networks for 10,000+ base stations serving 6M+ subscribers.
* Maintained **Linux-based monitoring servers**, ensuring secure and reliable operations.
* Participated in nationwide 4G rollouts, enhancing system resilience and reducing downtime.

**DWDM / SDH / Microwave Support Engineer** *Huawei* – Bishkek, Kyrgyzstan | Jun 2011 – Jun 2014

* Deployed and maintained **secure transmission networks** (DWDM, SDH, Microwave).
* Contributed to international connectivity projects, including the Kyrgyzstan–China DWDM link.
* Delivered training and technical sessions on secure telecom solutions.

### **VOLUNTEERING & COMMUNITY**

* Great Lakes Science Center, Cleveland, OH – Space Exhibition Contributor (2024)
* Community Dental Clinics, Bishkek, Kyrgyzstan – Volunteer Dental Care (2019–2020)