

# Mark Mikula

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## WORK EXPERIENCE

### Alter Domus

*September 2024 – December 2024*

#### Cloud Platform Engineer Internship

- Architected and maintained secure cloud infrastructure using Azure and AWS, implementing Infrastructure as Code with Terraform and GitOps using Flux
- Developed CI/CD pipelines using Github Actions and managed Kubernetes clusters for high availability
- Implemented comprehensive monitoring stack using Prometheus and Grafana for observability
- Technologies: Kubernetes, Docker, Terraform, Azure, AWS, Git, Github Actions, Prometheus, Grafana

### Threbot

*February 2024 – April 2024*

#### Machine Learning Engineer Internship

- Developed and deployed a production-ready chatbot using Python, OpenAI API, and LLAMA framework
- Collaborated in an Agile team environment using Git for version control
- Implemented ML models using PyTorch and TensorFlow with data visualization through Matplotlib
- Technologies: Python, PyTorch, TensorFlow, Docker, Linux, SQL, Bash, Meta development suite

### Wargaming

*March 2024 – June 2024*

#### Maintenance practice

- Implemented cloud-native solutions using container orchestration and monitoring tools
- Developed and maintained database solutions across multiple SQL platforms
- Technologies: Kubernetes, Docker, Python, MySQL, PostgreSQL, Linux, Prometheus, Bash

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## EDUCATION

### VilniusTech

*Information and Communication Technology Bachelor*

**2022-2026**

*Vilnius, Lithuania*

- Core focus: Programming (Python, Java, JavaScript), Mathematics, and Machine Learning
- Conducted research on machine learning applications, resulting in published scientific paper
- Led Linux system administration projects, including legacy software restoration
- Technical projects: Full-stack web development (Node.js, Spring, HTML/CSS), Database management (MongoDB)
- Active in Erasmus Student Network and student mentorship program

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## CERTIFICATIONS & SKILLS

- Big Data Engineer (Accenture) - Hadoop, Spark, Kafka
- Networks and Cybersecurity (280 hours) - Network architecture, Protocol analysis, Firewall configuration, VPN setup, Wireshark, Nmap
- Languages ( **English – advanced C1, Ukrainian - native, Russian - native**)