Arija Arčenytė

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About Me

I am a creative, diligent, and motivated candidate seeking professional experience in the computer science and scientific sectors. Since childhood, I have actively participated in various projects and competitions. I am a quick learner, capable of solving problems analytically, and working effectively in a team.

Experience

April 2026 - Present | Public Institution "0011.LT"
Long-term Volunteering (Systems Administrator / Engineer)

- Administered and secured **Debian Linux and FreeBSD (Bhyve)** server infrastructure.
- Configured **Packet Filter (PF) and security policies** for traffic control between virtual machines.
- Created **Ansible playbooks** for automated server configuration and deployment.
- Deployed and maintained the **Zabbix monitoring system** for proactive incident management.
- Performed **infrastructure optimisation**.
- Prepared **technical documentation** and provided support to community users.

October 2020 - Present | Freelance / Self-employed "ARI.LT" / "EYDI.net"

- Designed and maintained **secure server infrastructure**.
- Created **containerised environments** and secure networks.
- Configured **web servers and databases** (Nginx, PostgreSQL, Redis).
- Automated processes using **Python, Shell, and CI/CD configurations**.
- Implemented **encrypted backup systems** and security mechanisms.
- Managed **administrative, financial, and accounting processes** and expanded project scopes.

December 2016 - Present | Open Source Developer

- Collaborated with **teams and individuals** to improve existing systems architecture.
- Conducted code reviews and provided **feedback to colleagues**.
- Actively contributed to **community development and support**.
- Developed, maintained, and deployed **new features**.
- **Created and maintained** software, systems, and documentation.

November 2024 - April 2025 | ResearchSchool 2024 (Researcher)
Vilnius Gediminas Technical University, Vilnius

- **Conducted comprehensive research,** analysing data and systematising information.
- Prepared and **presented** research results to audiences.
- Collaborated with the **team**, sharing insights and research progress.
- **Formulated** hypotheses and created experimental designs.
- Defined research problems and goals, and **planned** research stages.

Publications

20 March 2025 | Assessing Vulnerability of Students' Programming Projects: Application of Testing Tools and Estimation of Checklist Effect on Code Quality
doi:10.15388/JMD.2025.55.7 (*jaunųjų mokslininkų darbai*)
The study examines how security checklists (short and comprehensive) help novice programmers identify and fix vulnerabilities (XSS, SQL injections, poor key management) in Flask web applications and improve overall code quality.

26 May 2026 | Balancing Security and Code Quality in Programming Practices (matriculation work)
ari/brandos-darbas-2025-2026-informatika (*no publisher*)
The work examines the interaction between code quality and security in a Python environment and reveals that human oversight, static analysis, and modularity ensure the best results, whereas AI tools only degrade these metrics.

Education

September 2026 - June 2030 | Vilnius University (*Software Systems*)
VU MIF "Software Systems" is one of the IT programmes with the highest admission requirements in Lithuania, focused on **full software and systems engineering**: from architecture design and deep algorithms to team project management.

SKILLS

- Teamwork
- Programming
- Data Analysis
- Communication
- Critical Thinking
- Technical Writing
- Attention to Detail
- Time Management
- Systems Administration

INTERESTS

- Writing
- Cooking
- Volunteering
- Programming

LANGUAGES

- 🇱🇹 Lithuanian (Native)
- 🇬🇧 English (C2)
- 🇩🇪 German (A2)
- 📜 Latin (Basics)

LINKS

- Website—ari.lt
- Projects—git.ari.lt/ari
- LinkedIn—linkedin.com/in/ar1ja
- Projects (Archives)—github.com/ar1ja
- ORCiD—orcid.org/0009-0003-0145-2391

TECHNOLOGIES

Languages — C, C++, Python, Shell, VimScript, JavaScript, Lua, Go, Assembly (FASM). *Language agnostic.*

Tools — Git, Docker, Podman, Bhyve, QEMU, Ansible, Vim.

File Systems — ZFS, XFS, EXT, FAT, BTRFS, FFS, LUKS, LVM.

Infrastructure — Forgejo, Gitea, GitHub, Forgejo Actions, Github Actions, SSH, Nginx, Apache, Caddy, Lighttpd, Zabbix, Uptime Kuma, Headscale/Tailscale, Bind9, fail2ban, UFW.

Operating Environments / OS — Linux (Gentoo, Debian, Alpine, RHEL, Arch, SUSE, Void, Nix), BSD (OpenBSD, FreeBSD).

Databases and Caching — MySQL/MariaDB, PostgreSQL, SQLite, Redis, Memcached.

MAJOR OLYMPIADS

- LMIO 2022 (District level): 1st place
- LMIO 2022 (School level): 1st place
- LSPO 2025 (2nd Qualifier): 6th place
- Kazickas Foundation PC 2026 (Regional): 6th place