

# Kaloyan Stefanov

## JUNIOR SOFTWARE ENGINEER

Sofia, Bulgaria | +359 897 585 919 | [kaloyanstefanov6@gmail.com](mailto:kaloyanstefanov6@gmail.com) | [github.com/kaloyanstefanov66](https://github.com/kaloyanstefanov66) | [LinkedIn](#)

### EXPERIENCE

#### Software Engineering Intern — Sirma Academy, Sofia

June 2026 – September 2026

Developed a cybersecurity vulnerability scanner that points at a company's codebase and returns a list of what could get it breached: leaked API keys and credentials, and dependencies with publicly known vulnerabilities.

- Built 3 of its 4 components — the scanning engine, the command-line tool (CLI) and the web interface — covering 10 package ecosystems, while a teammate built the credential-scanning half.
- Ranked findings by real-world exploit risk, not just theoretical severity, using CVSS base scores and industry threat feeds (CISA KEV, EPSS).
- Reworked scanning to run in parallel — a six-project run went from 25 seconds to 9 — and added support for scanning a single repository or an entire GitHub organization at once.
- Set up CI/CD with GitHub Actions: automated tests on every push, the tool scanning its own codebase, and tag-triggered releases.
- Packaged it as a one-command install with multiple output formats (SARIF, SBOM, Markdown) and wired it into build pipelines, so a team can block risky code before it merges.

Source: [github.com/YordanStankov/Secrets-Dependency-Vulnerability-Scanner](https://github.com/YordanStankov/Secrets-Dependency-Vulnerability-Scanner)

### PROJECTS

#### Metal Montaj — website for a Sofia metalwork workshop

August – September 2026

Client project · [metalmontaj.com](https://metalmontaj.com)

- Took a real client's site from idea to launch: plain JavaScript with no framework for fast load times, in 2 languages, Bulgarian and English, hosted on Cloudflare for its built-in WAF and DDoS protection.
- Built the contact form's server-side handling so enquiries reach the owner's inbox directly, with spam protection and no third-party service.
- Built a filterable photo gallery of 30 catalogued pieces with a full-screen viewer, navigable by keyboard.
- Set the site up to be found on Google with structured data and a sitemap, and added GDPR compliance.

#### Calisthenics Tracker — workout logging app

2026

Personal project · [calisthenics-tracker-frontend.vercel.app](https://calisthenics-tracker-frontend.vercel.app)

- Built the whole application front to back — a Python and PostgreSQL backend with secure sign-in, including Google login — and deployed it live.
- Added 6 features over 29 iterations — personal records, rest timer, unit switching, preset routines, activity heatmap and progress charts — and made it installable on a phone.

### STRENGTHS

- **Teamwork** — agreed a shared interface with the other intern up front on the security scanner, so two people building separate halves independently still merged into one working tool.
- **Working with non-technical clients** — turned a workshop owner's brief into a live site, wrote the Bulgarian copy for his market, and reworked the design on his feedback.
- **Adaptability** — picked up React during the internship and used it to ship the scanner's web interface alongside the Python engine work.
- **Offensive security fundamentals** — Top 15% rank on TryHackMe across 30 completed rooms, including network reconnaissance (Nmap), web enumeration (content discovery, subdomain enumeration) and common web vulnerabilities (IDOR, authentication bypass).

TryHackMe: [tryhackme.com/p/kelion](https://tryhackme.com/p/kelion)

### EDUCATION

#### BSc Network Technologies — New Bulgarian University, Sofia

September 2025 – Present

#### Network Technician — Vocational School of Electronics “John Atanasoff”, Sofia

2020 – 2025

Cisco CCNA levels 1–3 completed.

### LANGUAGES & TECHNOLOGIES

|                  |                                                                 |                  |                                      |
|------------------|-----------------------------------------------------------------|------------------|--------------------------------------|
| <b>Languages</b> | Python, JavaScript, C++, SQL                                    | <b>Backend</b>   | FastAPI, Node.js, Express, REST APIs |
| <b>Frontend</b>  | React, Vite, HTML, CSS                                          | <b>Databases</b> | PostgreSQL, SQLAlchemy, MongoDB      |
| <b>Tools</b>     | Git, GitHub Actions, pytest, Linux, Cisco IOS, Nmap, Metasploit | <b>Spoken</b>    | Bulgarian (native), English (C1)     |