

Andrew - Nero

Reverse Engineer and Backend Software Engineer from Eastern Europe

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 github.com/nerodesu017

 nerodesu017

Experience

CTO & SWE @ JSDrachen

September 2022 - Present

- Architected and implemented the backend infrastructure leveraging both Serverless technologies and Container-based solutions, driving scalability and performance improvements
- Enforced rigorous security measures in accordance with OWASP guidelines, including implementing TLS and robust protection against SQL Injections, to safeguard user data
- Leveraged Docker for containerization, establishing a resilient, fault-tolerant infrastructure that enhances system reliability. Implemented comprehensive logging to monitor container performance and system health, aiding in rapid troubleshooting and optimization efforts
- Independently configured Linux distributions and set up NGINX along with Cloudflare, effectively protecting against bot attacks and enabling easy monitoring of traffic and exploit attempts through Cloudflare's security features

Independent Researcher @ Self-directed

2021 - Present

- Successfully reverse-engineered JavaScript antibots, honing skills in deobfuscation
- Mastered the use of Chrome Developer Tools, leveraging its features to optimize and streamline JavaScript code analysis
- Cultivated a comprehensive knowledge of advanced JavaScript, alongside specific deobfuscation techniques, applying these skills to the analysis of both legitimate and malicious JS scripts

Independent Researcher @ Self-directed

2019 - Present

- Mastered Frontend technologies, including HTML, CSS, and JS, as well as leveraging frameworks like React to deliver robust, user-focused web interfaces
- Developed proficiency in Backend technologies such as Node.js, ExpressJS, Fastify, and Golang (GoFiber). Implemented OAuth and seamlessly integrated APIs, thereby ensuring secure and data exchange
- Delved into DevOps responsibilities, managing Linux servers and orchestrating the deployment of backend software. Prioritized the maintenance and performance optimization of deployed software

Independent Researcher @ Self-directed

2019 - 2021

- Developed and deployed automated purchasing software targeting high-demand items
- Mastered the use of automation and web crawling technologies such as Puppeteer, efficiently automating repetitive tasks and data extraction
- Leveraged HTTP clients to expedite the process and conserve resources, replacing the need to run websites in resource-intensive sandboxed environments like Chromium
- This experience provided a deep understanding of how to optimize system performance and resource utilization, and helped develop problem-solving and automation skills

Skills

Programming Languages

JavaScript, TypeScript, Go, Java, C++, HTML, CSS, PHP

Libraries & Frameworks

React, Express.js, Fastify, Mongoose, Sequelize, GoFiber

Tools & DBs

Git, GitHub, Docker, K8s, MongoDB, PostgreSQL, MySQL

Projects

JSDrachen

Comprehensive service designed to safeguard businesses' JavaScript code from potential attackers. Built using users' security and performance in mind, as well as ease of use

Discord Dashboard

Dashboard for monetizing discord groups through monthly subscriptions. Built with Express.js, Mongoose with MongoDB, React. Makes use of OAuth2 for login, Stripe's API for payments, Hcaptcha for protection against bots

nerodesu017.github.io

Personal blog focused around Programming, Physics, Mathematics and how we can implement findings from exact sciences to enhance software

Education

REDACTED

September 2022 - July 2026

Currently pursuing a comprehensive degree in Computer Science