Vojtěch Stoklasa

jobs@vstkl.xyz | github | blog

summary

I am a fullstack developer with a diverse skill set spanning automation, embedded systems, and cybersecurity. My journey in electrical engineering began at age 10 and has evolved into a career focused on agile development using Python and JavaScript. With a passion for security and a background in development and DevOps, I am keen to transition further into the cybersecurity domain. I think critically and plan for worst-case scenarios, enjoying the challenge of "breaking" things to understand how they work. I maintain a homelab for hands-on learning with tools like Proxmox, WebGoat, and Metasploitable, and actively participate in challenges on platforms like Hack The Box. I believe in the importance of good DevOps practices and fostering strong team relationships. I am passionate about continuous learning and strive to stay updated with the latest industry trends. I am also a dedicated VIM user, utilizing its efficiency across various *nix-based systems.

experience

freelance_work

Cybersecurity Consultant & Software Developer
June 2023 - Present
Conducted security assessments and penetration testing for various clients
Developed secure applications and automated security processes
Developed virtualization solutions for automation of their solution

Semantic Visions

Software Engineer
April 2022 - March 2023
Rebuilt the data processing pipeline to enhance efficiency and scalability
Contributed to backend architecture and performance optimization
Utilized front-end skills to fix issues in API testing, involving some React development
Supervised a junior teammate, fostering their growth and development

esc aerospace s.r.o

Software Engineer
March 2021 - February 2022
Developed subroutines for testing the integrity of space satellites
Contributed to the development of BCI robotic arms for exoskeletons, focusing on data processing and visualization
Managed APIs and automated testing processes
Led requirement gathering and task delegation within the team

FSP a.s

Fullstack Engineer
September 2018 - December 2020
Led the integration of an internal framework, adding new features and functionalities
Created a proof-of-concept project to demonstrate potential improvements
Assisted with the security aspects of backend models and APIs
Developed secure life insurance systems designed for long-term production

DHL IT Services

Software Analyst/Developer
January 2018 - September 2018
Developed in-house projects with a focus on security
Analyzed call center problems and provided secure solutions
Worked with JavaScript and C# to implement new features
Collaborated with the Data Science team on AI analysis, providing insights and workshops

Siemens s.r.o

RPA Automation Developer
January 2017 - November 2017
Designed and developed automation processes for back-office operations
Led the development of global accounts control systems
Utilized UML structures, Visual Basic macros, PowerShell scripting, and regex to achieve automation goals

skills

JavaScript, TypeScript, React, npm, webpack, yarn, babel, Python Flask, PyTest, panda3d, pandas, SQL Oracle, MSSQL, sqlite, PL/SQL, C/C++, FreeRTOS, C#, .NET, Mono, VisualBasic, Entity, NHibernate, vhdl, FPGA, nasm, gdb(gef), radare2, BurpSuite, nmap, nessus, PowerShell, wireshark, UiPath, BluePrism, tmux, amass, nginx, make/cmake, legba, nikto, zaproxy, metsaploit, SMB, docker, vagrant, virtualbox, SOAP, REST, ollama, jenkins, XML, zabbix, qemu/kvm/Hyper-V

languages

fluent: EN, CS | **learning**: RU, DE, CN

education

FIT ČVUT, Prague

Information Technologies
September 2017 - February 2019
Gained essential computer science principles and analytical skills

Developed a comprehensive outlook on problem analysis and solution development
Cultivated a strong interest in hardware and software integration

SPŠei Kratochvílova, Ostrava

Electrical Engineering
September 2013 - June 2017
Studied automation, AD/DA converters, and related mathematics
Learned to control microchips, design electrical circuits, and analyze technology
Developed a solid foundation in electrical engineering principles

favourite_tools

neovim, zsh, docker
MacOS, debian, kali, endeavourOS(arch-based), ProxmoxVE

free_time

I play many string instruments and create my own music, sometimes using my own synthesizers. I enjoy capturing moments with analog cameras, avoiding modern technology. Reading about medicine or cybersecurity is a significant part of my leisure activities. I also maintain a homelab for hands-on learning and enjoy participating in cybersecurity challenges on platforms like Hack The Box.

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