

Vojtěch Stoklasa

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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

Plexplus

june 2024 - present

- Provided support for end users
- Delivered automated solutions solving everyday IT tasks
- Resolved various issues

freelance_work

cybersecurity consultant & software developer

part-time 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, vhd1, 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.