

# Maksym Holovanov (CV)

Version 2024.2

With 25+ years in the tech arena, I've mastered programming, web development, and cybersecurity, offering a wealth of transformative skills. I'm impassioned to drive forward AI and tech progress, driven by years of experience to elevate automation and productivity.

## JOURNEY & SKILLS

- **Back in '92** → I embarked on my tech journey with an 8-bit Dendy console, mastering classics like Contra and Mario.
- **Fast forward to '96** → I dipped my toes into programming using BASIC on a ZX Spectrum. Pixel by pixel, I crafted my first console game!
- **1998** → I delved into Assembly language and gained a deeper understanding of various algorithms, solidifying my tech foundations.
- **2001** → I ventured into web development and PHP, alongside HTML and CSS. The early 2000s PHP was quite different from today's version. This period also saw me hone my Photoshop skills.
- **2002-2004** → That was the time I spent learning Web Design at **STEP IT Academy in Ukraine**. It was also my first introduction to C++ and C# languages, although I later found that I could access better educational resources online.
- **2004** → I dedicated substantial time to the development of financial services, payment systems, and security analysis.
- **2008** → My journey led me to traffic analysis, Wireshark, and my first encounter with client server DDoS attacks. This prompted me to explore Security Audits, Linux System Administration, and Cybersecurity.
- **2010** → I transitioned from traditional hosting to Linux servers, focusing on Linux System Administration, Bash, VIM, and related skills.
- **2011** → Python became a significant part of my journey, making me question why I spent so much time with PHP. I also delved into version control with GIT.
- **2013** → I embraced Django framework and gained insights into Docker.
- **2014** → The cryptocurrency and blockchain era began, with my focus on developing APIs and REST backends for financial projects.
- **2015** → Vue.js transformed my frontend development experience, enhancing my JavaScript skills. I later expanded into TypeScript.
- **2016** → I entered the realm of Machine Learning (ML), creating my first models and exploring Jupiter Notebook. I read extensively and completed courses on Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL) and XGBoost.

- **2017** → That's when I started working as a DevOps Engineer, gaining significant experience in this role.
- **2020** → Kubernetes (K8s) and Helm finally came into my world.
- **2021** → I began experimenting with chatGPT during its testing phase, investing time in understanding its API.
- **2022** Expanding my skills in infrastructure as code and log and data analysis, I mastered Terraform and the ELK Stack.

## SUMMARY OF QUALIFICATIONS

- **Programming Languages:** Python, JavaScript, TypeScript, HTML, CSS, SASS. **Past: C#/C++, Delphi, BASIC, Assembly and PHP.**
- **Web Development:** Skilled in Django, Vue.js, Vite, and experienced in building robust web applications using REST APIs, GraphQL, HTML, CSS, and SASS.
- **Database Management:** Proficient with Postgres, MySQL, and adept at data manipulation using Pandas and NumPy in Python.
- **DevOps & Containers:** Experienced in Docker, Podman, Kubernetes (k8s), Helm, Git, Mercurial, Terraform, CI/CD, ELK Stack, Sentry.
- **System Administration:** Extensive expertise in Linux, Bash, ZSH, Fish Shell, NGINX, Linux system administration and Raspberry Pi.
- **AI & Data Science:** Well-versed in Artificial Intelligence (AI), Machine Learning (ML), Deep Learning (DL), XGBoost, and Jupiter Notebooks for data analysis and modeling.
- **Testing & Development Tools:** Proficiency in Poetry, PIP, PyTest, and Scrapy, coupled with skills in chatbots and web crawling.
- **Security & Auditing:** Skilled in security audits, cybersecurity audits, knowledgeable in ensuring system integrity, and experienced in handling client-server DDoS attacks.

## EDUCATION

My foundation was laid at **STEP IT Academy (2002-2004), Ukraine**, where I delved into web design, mastering C++ and C#. But the online sphere became my learning haven. I devoured countless specialized books and completed numerous [Udemy](#) and [Coursera](#) courses.

**However, my primary expertise stems from hands-on projects forged along my journey.**

## EMPLOYMENT

In my IT work experience, there hasn't been a period where I worked on a single project or carried out the same routine every day. Monotony like that doesn't align with my style; it's almost like a halt in progress. My career involves handling multiple projects simultaneously, typical for a freelancer.

Within my work in backend programming and systems engineering, I specialize in building reliable systems focused on stability. My expertise lies in developing and maintaining robust architectures that form the backbone of financial APIs, payment systems, and platforms. Additionally, I manage server administration and engage in DevOps. Unlike web design, my work doesn't always manifest physically as it's more about long-term stability.

The majority of my time is dedicated to projects with a high level of confidentiality due to the nature of financial technologies. Due to the confidentiality of these projects and clients, I can't disclose specific details. Therefore, none of my subsequent backend projects will be presented in my CV. Perhaps in the future, I might return to web design and showcase some visual achievements, like banners or logos. **However, this isn't my primary focus!**

## METHODOLOGIES

Throughout my IT journey, I've embraced essential principles and systems that shape my work, enhance productivity, and foster collaboration, ultimately leading to successful and seamless project execution.

- **Getting Things Done (GTD):** My go-to for task and project organization, ensuring nothing slips through the cracks and maintaining a stress-free mind for creative work.
- **Agile Results (JD Meier):** Guides my personal and professional excellence, enabling effective time management, setting clear priorities, and achieving balanced results.
- **PARA Method:** Optimizes digital organization, enhancing productivity by streamlining resource storage and access.
- **Agile Methodology:** Drives collaboration, adaptability, and software delivery, focusing on customer satisfaction and continuous improvement.
- **Kanban:** Visualizes work, limits in-progress tasks, and efficiently manages workflow, crucial for project tracking.
- **12 Week Year (Brian Moran):** Accelerates goal attainment, enabling achieving more in 12 weeks than in a year through enhanced focus.

## LANGUAGES OF COMMUNICATION

- **English, Ukrainian** is my mother tongue, **Russian**.
- A2 in **German** (in progress)

## CONTACTS

For initial contact, please reach out to me via **Threema by ID [X88K34NK](#)** or schedule a 30-minute Zoom meeting with me through this [link](#).

**X (Twitter):** <https://twitter.com/maxclaxOS>

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## MISC.

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