Dima Shkurski

Summary   email: dima@shkur.ski

Software engineer with 12+ years of professional experience and consistent understanding of concepts: from low-level development / optimization to general software design principles. Strive for simple solutions delivered on time. Spent most of the career working remotely.

Skills

- C++, Rust
- x86 assembly, C
- Python, JS
- Windows, MacOS, Linux

- applied compiler theory
- LLM-based architectures
- reverse engineering and low-level debugging
- application security

Experience

[2023 ..]
Founder
@ Searchpad AI
Berlin, DE

- built the product from the ground up; went through several iterations over a few months: from quick prototypes on Python/ElectronJS to a production-ready architecture;
- working on semantic search on the edge (private data, local devices), using LLM/sentence transformers;

[2019 .. 2023]
Software
Engineer
@ Logitech
Newark, CA, US

- we designed a software system reliably serving customers from Fortune 100;
- owned the client-side backend for Logitech Tune (Windows/macOS desktop application); participate in decision making on API and system architecture, while being a point of contact for technical questions and communicating with the outside vendors / internal teams;
- worked on the design and implemented the key backend part to integrate computer vision algorithms with Logitech conferencing solutions (firmware/software).

[2021]
Software
Engineer
@ Synth (now
Shuttle, YC S20)
London, UK

- joined the company as a first employee; we were hacking fast and implementing ideas overnight;
- as a Rust engineer, owned multiple subprojects within data generation engine;
- worked directly with the founding team and taken part in decision making on engineering, market research and strategy.

[2017 .. 2019]
Software
Engineer
@ COMODO
Odesa, UA

- written software deployed on 20M+ computers worldwide;
- development of antiviral scan engine (malware unpacker, virtual machine, dynamic code translator);
- reverse engineering, design and implementation of a low-level system monitoring library;
- worked closely with the security team on detecting attempts to exploit security vulnerabilities;
- worked on a runtime unpacker of Windows executable modules.

[2014 .. 2016]
Independent
Contractor,
Freelancer

- dozens of projects at VWorker, Elance, Freelancer.com; mostly in system programming and security fields;
- algorithmic programming; participated in ACM/ICPC contests.

[2012 .. 2014]
Software
Engineer
@ HeuLab
Singapore

- development of a network traffic analysis / filtration system, including implementation of a WinSock/LSP proxifier; desined and implemented the entire client-side part of Parental Control System for Windows.