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PILIUGIN VADIM

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GitHub, Telegram

EDUCATION

MOSCOW STATE UNIVERSITY – Moscow, Russia   Fall 2018–Summer 2021
Master of Computer Science and Software Engineering
Areas of interest: High-Performance and Quantum Computing

MOSCOW STATE UNIVERSITY – Moscow, Russia   Fall 2014–Summer 2018
Bachelor of Computer Science and Software Engineering

TECHNICAL EXPERIENCE

Cognitive Technologies, *C++ developer*   Nov 2018–Nov 2019
- Designed and implemented remote control software that can work under unstable Internet connectivity. Agents run on controlled devices and poll the master server periodically for new instructions. The system has many features, including shell command execution, file transfer, SSH access, HTTP proxy and local port forwarding. Commands can be sent via a messenger app (Telegram).
- Created a system for collecting images and geolocation data from autonomous harvesters working in the field. The harvesters were running Linux on an Nvidia Jetson platform, and the piloting software was written in C++. I designed a method to get the camera and GPS data from the piloting software and to send it to the server in the office. The images were used to train terrain classifiers

Movista, *Golang developer*   Nov 2019–May 2020
- Worked on a backend HTTP API service, implemented endpoints for IOS and Android clients.

Group-IB, *C++ developer*   June 2021–Now
- Worked on a reverse engineering of industrial communication protocols, such as S7Comm, DeltaV, CIP. The system intercepts the traffic between the industrial controllers and SCADAs and shows this network activity in a web app. I have written a DPI for these protocols in C++ using the Zeek framework
- Worked on different product features, like traffic storage and two-factor authentication

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TECHNICAL SKILLS

- C++, C, Golang, Python, Ruby
- Docker, PostgreSQL, Redis, Sentry, Elasticsearch, Swagger