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Anton Karmanov

Male born in 1988. Was graduated as a chemist in CSU (Chelyabinsk), have a few years as a chemist engineer. Then became a free software fancier. Was graduated at 2020 in CSU once again as a bachelor of "Informatics and computer technology".

The purpose is a software engineer position.

Work Experience

10.2024–until now

OOO "DT-SOFT".
Software developer.

- Development of a systems management solutiotion for workstations heterogeneous infrastructure (SaltStack, Python 3).
- Responsible for containerization (Docker, Docker Compose).
- Help with developement infrastructure: GitLab + GitLab CI, Taiga project management.

05.2020–10.2024

AO "GREENATOM"
Lead engineer of automation, senior engineer of development support (i.e. devops).

- Development of Atom.Port system management solution with ability to reinstall arbitrary operation system remotely. Based on SaltStack, Python 3, Django, Angular.
- Backend contributions: automations logic, DSL for automations, reports module etc.
- SaltStack part: basic processes like "reboot and wait till", inventory modules, cleints-host matching.
- Maintained an utility for deploying virtual machines based sandboxes (Python, libvirt): libvirt wrapper, deployment stages, images sync with remote HTTP storage, a Telegram chat bot to manage a sandbox for development.
- Worked with Astra Linux (a Debian GNU/Linux derivative).
- Maintained development infrastructure: a QEMU/KVM hypervisor, a GitLab development server, a FreeIPA for user directory, Jitsi-Meet video conference rooms, a Nextcloud collaboration server, a Taiga project management server. Had also some experience with Atlassian Jira and Confluence.
- Headhunting.
- At 2020 had four intra-industrial webinar meetings with topics: GNU/Linux, Astra Linux, SaltStack and software migration processes.
- At 2021 made an intensive SaltStack course with positive feedback.
- At 2023-2024 trained engineers of customers in the solution usage.
- At 2024 wrote SaltStack block for the solution MOOC and had been broadcasted as a lector. Have a letter of thanks for the work.

08.2018–10.2018, 07.2019–03.2020

OOO "LANIT-Ural"
System administrator, programming engineer.

- Take a part in a system to migrate workstations on a so called "import independent software", stack was SaltStack, Python 3, Django. Made a reports generator module MVP and a D-Bus based system services management module.
- Worked with national GNU/Linux distributions such as Astra Linux CE, RedOS, ALT Linux.
- Supported a department network infrastructure, provided network linking with customers' servers with OpenVPN, maintained a GitLab server.
- Suggested a bunch of solutions for software migration such as a simplified dual-boot scheme, which needs no existing drive partitioning.
- Acted as a team lead for some time.

12.2017–08.2018

OOO "Chelyabinsk-Signal"
System administrator.

- Maintained a provider network infrastructure, worked with Cisco, Mikrotik hardware
- Maintained GNU/Linux servers, the main services was a BIND DNS, BG-Billing billing system, Asterisk PBX, a Kerio Connect mail server
- Migrated a series of critical service hosts from Proxmox to libvirt (QEMU/KVM)
- Made helper utilities on PHP including a Telegarm bot to notify on new customer requests and an interface to access call-center PBX records

10.2017–11.2017 "RedDock"

System administrator.

- Maintained CPanel and ISPsystem, Bitrix CMS
- Third line support

08.2016–06.2017

OOO "Sistemnye Technologii"
System administrator.

- Remote users support
- Low-term and mid-term repair of office and server equipment
- Installed low current systems (LAN)
- Maintained internal GNU/Linux based services including Zabbix monitoring system and a FreePBX instance

01.2016–02.2016

OOO "Kvinta-Soft"
System administrator.

- Workstations service
- Maintained local network

Education

10.2016–03.2020

Chelyabinsk State University
"Informatics and computer technology"

09.2005–07.2010

Chelyabinsk State University
Chemist with specialisation "Chemistry"

Skills

- GNU/Linux: Debian, Ubuntu, CentOS, Arch Linux, OpenWRT experience

- Networking, TCP/IP, some DNS experience (BIND, Dnsmasq), DHCP (Dnsmasq, ISC DHCP), SNMP, post servers (Exim, Postfix), web servers (nginx, Apache HTTP Server, Lighttpd); Cisco, Mikrotik hardware experience

- Git

- GitLab CI/CD, GitHub Actions pipelines

- SaltStack, Docker, Vagrant

- Python 3 (Django, ReportLab), Bash, C++, the CMake build system, the Doxygen documentation generator, HTML5/CSS3, PHP basics

- Object-oriented design

- RDMS (MySQL/MariaDB, PostgreSQL)

- Project management with Taiga, Atlassian Jira (tasks life cycle tuning), Wekan kanban desks

- Knowledge bases, DokuWiki experience, Atlassian Confluence

- The LaTeX document preparation system

- Webinars and lectures experience

- Solding and minor repairs

- References and documentation (reading, writing)

Languages

- Russian (native)

- English is about B1 (little speech experience)

Misc.

- Free software enthusiast

- Learnability, engaged in self education

- Professional involvement

- Good speech (native at least)

- No smoking, no alcohol and drugs

Certificates

- OTUS: DevOps practices and tools

- OTUS: C++ Developer. Professional

- Stepik: Programming on C++ language