Ilya Dyakov

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Results-driven SRE Engineer with over 4 years of experience in supporting, automating, and optimizing mission-critical deployments on AWS. Skilled in advanced configuration management, Linux systems, Kubernetes, Terraform, and containerization, with a deep understanding of DevOps methodologies. Seeking a challenging role to contribute expertise, drive innovation, and embrace evolving technologies while fostering continuous professional growth. Fluent in both English and Russian, and open to relocation.

Objective
Skills
Programming Languages/Back End tester: Python, Bash, Perl, SQL.
Front End Development: Bootstrap, HTML, CSS.
Operating Systems: Linux (CentOS, Red Hat, Ubuntu, Debian), Windows Server (2020-2022).
Developer Tools: Visual Studio, PyCharm.
Test Automation Tools: Visual Studio Unit Testing Framework (MSTest), Jenkins CI/CD, GitHub, Postman, Appium Inspector, Selenium WebDriver, Python Behave, BrowserStack.
Defect Tracking Tools: Visual Studio Team Services (VSTS), Jira, Kanban.
Databases: PostgreSQL.
Cloud: Amazon Cloud Platform. Infrastructure, deployment)
Data Networking: TCP/IP, UDP, DHCP, etc.
Monitoring systems: Prometheus, Nagios.
Other: Ansible, Docker, REST API testing, Slack, HTML, CSS, ChatGPT, Terraform, Kubernetes, Locators.

Experience:

Site Reliability Engineer | Omega Tech Service | Jan 2022– Dec 2024
- Implemented automation in quality assurance testing processes using Selenium and Python, enhancing both efficiency and precision.
- Managed AWS EC2 instances, optimizing for performance and cost efficiency.
- Handled Kubernetes clusters for application deployment, scaling, and setup of Prometheus monitoring.
- Managed Docker container exposure and networking configurations, ensuring secure access and efficient container management.
- Administered MySQL databases, including backups, replication, and disaster recovery planning to ensure data availability.
- Utilized GIT version control system for code and configuration management.
- Monitored server performance, ensuring traffic load balancing and resource efficiency.
- Supported installation, configuration, and maintenance of Windows servers, including application, remote desktop, database (MSSQL), and web servers (Apache).
- Conducted work and analysis through the command line interface (CLI), including AWS CLI and Kubernetes CLI.

Site Reliability Engineer| Megafon/Megalabs Department | Dec 2014 - Dec 2022
- Developed an extensible "filters" module to remove adult content from the final dataset within the SMS gateway's distributed, millions-user environment on Linux platforms.
- Supported and maintained Linux software development and network administration, including DNS, DHCP, File Server, Print Server, and scripting with Bash and Python.
- Analyzed log files and protocols (IP, UDP, TCP, HTTP) using Wireshark and other analysis tools.
- Installed, configured, and diagnosed Windows systems.
- Troubleshot and diagnosed network errors using tools such as tcpdump, traceroute, telnet, ping, mtr, Wireshark, and iptables.
- Developed and supported virtualization technologies, including MS Hyper-V, ProxMox, VMware Workstation, and VirtualBox.
- Troubleshot Unix directory logs.
- Maintained and repaired IT hardware, including replacing faulty memory boards, chips, fans, and hard disks on server equipment.
- Utilized the command line interface (CLI) for various tasks and analyses.
- Automated QA tasks using Selenium, improving the efficiency and accuracy of the testing process.

Technical Support II line Engineer | Devino Telecom, Moscow | Jun 2014 - Dec 2014

- Processed customer requests through Jira, email, live chat, and phone calls.
- Tracked changes in request status and monitored the timing of request processing.
- Provided operational information on incidents and failures.
- Set up and supported various Linux-based services, including Apache and PostgreSQL.
- Conducted troubleshooting using the Wireshark application.
- Provided customer support through Jira CRM, including analysis of application log files and debugging small Python scripts.

Senior Test Engineer | Science and Technology Centers (Electronics test lab)| Sep 2009 – Apr 2014
- Installed and managed telecom software systems (Nokia Siemens Networks, Nokia Flex Hopper).
- Specialized in Windows and Linux administration, focusing on optimization, continuous monitoring, and effective management of system resources and operations.
- Implemented testing methods for the QA team to improve quality and reduce testing time.
- Conducted testing of data transmission applications for mobile base stations across over 180 sites in Kazakhstan for large state mobile telecom operators.
- Revolutionized testing approach for Ericsson Nicola Tesla software by implementing advanced pipeline methodologies; increased test accuracy by 35% and bolstered financial outcomes through a 25% reduction in testing time and costs.

Lab System Engineer | Otan-Security (Electronics Test Center) | Apr 2006 –Sep 2009
- Conducted manual quality assurance testing for software applications.
- Tested and optimized software used in mobile base stations for performance and reliability.
- Collaborated with engineering teams to develop and document operational processes.
- Specialized in Windows and Linux administration, focusing on optimization, continuous monitoring, and effective management of system resources and operations.
- Configured data collection for conducted tests using a Bash script.
- Implemented testing methods for the QA team to improve quality and reduce testing time.

Education
Bachelor's Degree in Electronics, Telecommunications, and Information Technology
Kazakhstan-American University

Certification/Courses
2022   Project Management by Google
2021   AWS Certified Solutions Architect - Associate (SAA)
2018   Linux System Administration
2017   VMware Vsphere: Fast Track V6.0
2017   Introduction to PostgreSQL Administration
2016   Linux Troubleshooting (GL314)

Coursework
Mechanical Design in Robotics
QA Automation of Android and Web Apps
Implementation of Kubernetes Environment
Terraform

Community Outreach/Volunteer
Elected to the Board of Technical Directors in Christian Church | August 2022