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ARTEM ANTONENKO

SUMMARY OF QUALIFICATIONS

Senior Site Reliability Engineer with strong troubleshooting background.

SKILLS & ABILITIES

Languages

Python, C# (ASP.NET, Entity Framework, WPF, WinForms), HTML/CSS/Javascript, Bash, T-SQL, Git, PHP, Java.

RDBMS

MS SQL, MYSQL, SqlLite, MongoDb.

Tools etc.

Cloud technologies and tools: AWS, Azure, GCP, Cloudflare, Akamai.

Monitoring and log Tools: Elasticsearch, Kibana, Prometheus, Grafana, Pagerduty, New Relic, Azure Log Analytics, Graylog, Zabbix, Icinga.

Testing tools: Chaos Toolkit, Chaos Mesh, Protractor, PGBench, AWS FIS.

Programming languages and tools: Python, Bash, Ansible, AWX, Javascript, PHP, Git, Bash, T-SQL, Git, PHP, Java.

Virtualization and Orchestration tools: Docker, Kubernetes, Mesos/Marathon, VMware ESXI, Proxmox, Cloudstack, Openstack, Rancher.

Storage tools: DRBD, Ceph, GlusterFS, NFS.

Management tools: Salesforce, Jira, Confluence, Youtrack, Openproject.

Network hardware: Cisco, Mikrotik, D-link.

Other tools: Ejudge, Postfix, Proxmox mail gateway, IIS, Pfsense, Apache, Nginx, Next Cloud, Open LDAP, CPanel, Squid, IIS, TFS, Asterisk.

Networking: Good understanding of OSI Model, TCP/IP protocol suite and technologies (IP, ARP, ICMP, TCP, UDP, SMTP, FTP, TFTP, LACP, STP, HTTP/S, VPN, DNS, DHCP, VNC).

Media processing technologies: OTT, RTMP, ZIXI, SRT

Software development skills

- Coding languages knowledge
- Database knowledge
- Data structures and algorithms Source control
- Cloud platforms
- Spreadsheet software
- Testing procedures
- Debugging knowledge
- Operating systems
- Text editing software
- Cryptography
- Software frameworks
- Software development life cycle

OS

Centos/Debian/Ubuntu / Windows Server 2003/2008/R2

INTERESTING FACTS

- Build a Pagerduty like alerting system in 2 month for the company
- Lead Tooling SRE team for more than 2 years
- Helped team to switch to the new development technology which increaased productivity by 23.73%
- With a new architectual approaches bug count found in my team projects were reduced by 12%

EXPERIENCE

Company	**Harmonic**
Project description	The advanced cloud-native software for video servers in private data centers to process and deliver media content to every screen.
Duration	2022.07-present
Role	Staff. Site Reliability Engineer
Responsibilities	- Responsible for leading a team of SRE monitoring/tool team engineers, providing guidance, feedback, and mentorship - Responsible for the scrum team management - Inventing production monitoring and tooling system to reduce the SRE workload - Responsible for monitoring and maintaining the reliability, availability, and performance of the organization's IT systems and services. - Developing and implementing processes for incident management, problem management, change management, and other critical IT processes. - Driving the automation of IT processes and the implementation of monitoring and alerting systems to ensure early detection of issues - Work closely with other teams such as Development, QA, and Operations to ensure smooth delivery and operation of IT services. - Managing projects related to service reliability, infrastructure improvements, and automation initiatives - Co-ordinating with various teams for the fixing vulnerability, gaps, bottlenecks. - Reviewing and approving manual operation procedure documents. - Managing certain project flows such as monitoring reliability improvements.
Tools etc.	**Cloud technologies and tools**: Solid understanding of cloud technologies AWS (Cloudformation, EC2, Cloudfront, S3, EFS, Elastcache, RDS, IAM, Lambda, SNS, Cloudwatch, Autoscaling, EKS, ECS, Route 53, OpenSearch), Azure (AKS, VMSS, Function App, Blob Storage, Key Vault), GCP (GKE, Compute), Akamai. Limelight. **Monitoring and log Tools**: Elasticsearch, Kibana, Prometheus, Grafana, Pagerduty, New Relic, Azure Log Analytics. **Testing tools**: Chaos Toolkit, Chaos Mesh, Protractor, PGBench, AWS FIS. **Programming languages and tools**: Python, Bash, Ansible, AWX, Javascript, Git Java Angular. **Virtualization and Orchestration tools:** Docker, Kubernetes, Mesos/Marathon, VMware ESXI. **Management tools:** Salesforce, Jira, Confluence. **Operating systems and tools:** Centos/Debian/Ubuntu.

Company	Globallogic Canada
Project description	The advanced cloud-native software for video servers in private data centers to process and deliver media content to every screen.
Customer	Harmonic
Duration	2022.07-2023.06
Role	Sr. Site Reliability Engineer
Responsibilities	- Responsible for leading a team of SRE monitoring/tool team engineers, providing guidance, feedback, and mentorship - Responsible for monitoring and maintaining the reliability, availability, and performance of the organization's IT systems and services. - Developing and implementing processes for incident management, problem management, change management, and other critical IT processes. - Driving the automation of IT processes and the implementation of monitoring and alerting systems to ensure early detection of issues - Work closely with other teams such as Development, QA, and Operations to ensure smooth delivery and operation of IT services. - Managing projects related to service reliability, infrastructure improvements, and automation initiatives - Co-ordinating with various teams for the fixing vulnerability, gaps, bottlenecks. - Reviewing and approving manual operation procedure documents. - Participate in on-call rotations to ensure the continuous availability of IT services. - Managing certain project flows such as monitoring reliability improvements. - Deep system troubleshooting.
Tools etc.	**Cloud technologies and tools**: Solid understanding of cloud technologies AWS (Cloudformation, EC2, Cloudfront, S3, EFS, Elastcache, RDS, IAM, Lambda, SNS, Cloudwatch, Autoscaling, EKS, ECS, Route 53, OpenSearch), Azure (AKS, VMSS, Function App, Blob Storage, Key Vault), GCP (GKE, Compute), Akamai. Limelight. **Monitoring and log Tools**: Elasticsearch, Kibana, Prometheus, Grafana, Pagerduty, New Relic, Azure Log Analytics. **Testing tools**: Chaos Toolkit, Chaos Mesh, Protractor, PGBench, AWS FIS. **Programming languages and tools**: Python, Bash, Ansible, AWX, Javascript, Git. **Virtualization and Orchestration tools:** Docker, Kubernetes, Mesos/Marathon, VMware ESXI. **Management tools:** Salesforce, Jira, Confluence. **Operating systems and tools:** Centos/Debian/Ubuntu.

Company	Globallogic
Project description	The advanced cloud-native software for video servers in private data centers to process and deliver media content to every screen.
Customer	Harmonic
Duration	2019.09-2022.07
Role	Sr. Site Reliability Engineer
Responsibilities	- Responsible for the monitoring and automation development of service processes - Providing T2 Support for production and development systems. - Investigating new technologies for improving operational/monitoring/tooling efficiency. - Co-ordinating with various teams for the fixing vulnerability, gaps, bottlenecks. - Reviewing and approving manual operation procedure documents. - Perform upgrade and deployment on the production environment. - Focus on infrastructure automation, testing, and deployments. Ensure the security, availability, performance, and scalability of production systems. - Organize and maintain calls with customer/third party support teams for the issue root cause identification and for providing appropriate fix. - Automation test development. - Providing on-boarding trainings. - Generate project documentation such as operation methodology, test plans, system workflow. - Generating improvements based on the support experience, project vision, user experience. - Managing certain project flows such as monitoring reliability improvements. - Deep system troubleshooting.
Tools etc.	**Cloud technologies and tools**: Solid understanding of cloud technologies AWS (Cloudformation, EC2, Cloudfront, S3, EFS, Elastcache, RDS, IAM, Lambda, SNS, Cloudwatch, Autoscaling, EKS, ECS, Route 53, OpenSearch), Azure (AKS, VMSS, Function App, Blob Storage), GCP (GKE, Compute), Akamai. **Monitoring and log Tools**: Elasticsearch, Kibana, Prometheus, Grafana, Pagerduty, New Relic, Azure Log Analytics. **Testing tools**: Chaos Toolkit, Chaos Mesh, Protractor, PGBench, AWS FIS. **Programming languages and tools**: Python, Bash, Ansible, AWX, Javascript, Git. **Virtualization and Orchestration tools:** Docker, Kubernetes, Mesos/Marathon, VMware ESXI. **Management tools:** Salesforce, Jira, Confluence. **Operating systems and tools:** Centos/Debian/Ubuntu.

Company	National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
Project description	Faculty department provides a wide spectrum of IT services for the education flow. It provides computing resources for the scientific experiments for students and teachers.
Customer	Non-commercial organization
Duration	2017.09-2022.02
Role	System Administrator
Responsibilities	- Reengineering department infrastructure setup, optimizing system performance, installing upgrades/patches, establishing system monitoring and maintaining security protocols. - Managing and increasing team productivity.
	- Defining organizational standards and strategic plans for department infrastructure. - Acting as escalation point for troubleshooting advanced network/systems issues - Providing on-boarding trainings. - Research and develop tools for increasing department stability and reliability - Stabilizing and protecting client network and PC environment. Building new web servers, terminal server, mail server, file/print sharing and domain control servers. - Performing research and experiments to bring most reliable high availability setup. - Replaced major manufacturer's vulnerable network with robust security through joint architecture of firewall and DHCP. - Network hardware setup and configuration. - Network and system troubleshooting. - Backup and Data recovery.
Tools etc.	**Orchestration tools**: Openstack, Cloudstack, Rancher. **Monitoring and log Tools**: Graylog, Zabbix, Icinga. **Programming languages and tools**: Python, Bash, C# (ASP.NET, Entity Framework, WPF, WinForms), T-SQL, Git, PHP. **Databases:** MSSQL, MYSQL, SqlLite. **Virtualization and Orchestration tools:** Docker, Kubernetes, Proxmox, VMware ESXI. **Management tools:** Jira, Confluence, Openproject. **Network hardware:** Cisco, Mikrotik, D-link. **Storage tools:** DRBD, Ceph, GlusterFS, NFS. **Operating systems and tools:** Centos/Debian/Ubuntu/Windows. **Other tools:** Ejudge, Postfix, Proxmox mail gateway, IIS, Pfsense, Apache, Nginx, Next Cloud, Open LDAP, CPanel, Squid.

Company	Svitsoft
Project description	Specialized in software development and staff augmentation. We believe in technology and help you implement the most relevant optimization models for your business growth. We use advanced solutions that comply with your company's goals and increase your business processes' efficiency.
Customer	Svitsoft
Duration	2019.03-2019.08
Role	DevOps
Responsibilities	- Providing T2 Support for production and development systems. - Maintain office infrastructure - Monitoring applications and infrastructure with Grafana, Prometheus. - Internal services administration - Co-ordinating with various teams for the infrastructure definition and implementation. - Installation and support Squid proxies. - Administration of IP telephony on Asterisk/PBX - Software deployment automation and environment provisioning - Backup and Data recovery.
Tools etc.	**Orchestration tools**: Rancher. **Monitoring and log Tools**: Graylog, Zabbix **Programming languages and tools**: Bash, T-SQL, Git, PHP. **Databases:** MSSQL, MYSQL, SqlLite. **Virtualization tools:** Docker, Kubernetes, Proxmox, VMware ESXI. **Management tools:** Jira, Confluence, Youtrack. **Network hardware:** Mikrotik. **Operating systems and tools:** Centos/Debian/Ubuntu/Windows. **Other tools:** Postfix, IIS, Apache, Nginx, Squid, TFS, Asterisk

EDUCATION

Master`s Degree (Computing/IT)
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
Faculty of Informatics and Computer Engineering
2020-2021

Bachelor`s Degree with honors (Computing/IT)
National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"
Faculty of Informatics and Computer Engineering
2016-2020

LANGUAGES

English: Upper Intermediate
Ukrainian: Native
Russian: Native