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# Oleksandr

## Lead DevOps Engineer

### SUMMARY

- 15+ years of professional experience
- Infrastructure planning and implementation.
- Planning and setting up the environment and performing migration of an application multisite the environment into AWS EC2 cluster with a load balancer
- Managing autoscaling and AMI-separating applications with shared network storage.
- Upper-intermediate English
- Available ASAP

### SKILLS

<b>Programming Languages</b>	Assembler, C#, Groovy, Java, PHP, Python, VBScript
<b>PHP Libraries and Tools</b>	FastCGI Process Manager (FPM)
<b>Rust Frameworks</b>	juniper
<b>.NET Platform</b>	Visual Basic .NET
<b>Databases &amp; Management Systems / ORM</b>	Microsoft SQL Server, MySQL, MySQL cluster, PostgreSQL
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, CloudStack
<b>Amazon Web Services</b>	AWS Auto Scaling, AWS CloudWatch, AWS EC2, AWS EFS (Amazon Elastic File System)
<b>Deployment, CI/CD &amp; Administration</b>	Ansible, Jenkins, Kubernetes, Puppet
<b>Web/App Servers, Middleware</b>	Apache HTTP Server, Apache Tomcat, Internet Information Services (IIS), Nginx, Windows Server
<b>Third Party Tools / IDEs / SDK / Services</b>	Asterisk, asterisk PBX, AutoCAD, Visual Studio
<b>Scripting and Command Line Interfaces</b>	Bash, Perl, PowerShell

<b>Mail / Network Protocols / Data transfer</b>	BGP, Cisco switches, Dovecot, HAProxy, IPTable, OSPF, Postfix, RADIUS
<b>Version Control</b>	BitBucket, GitLab, SVN
<b>Operating Systems</b>	Centos, FreeBSD, Linux
<b>Hosting, Control Panels</b>	cPanel
<b>Virtualization, Containers and Orchestration</b>	KVM (for Kernel-based Virtual Machine), OpenVZ, Terraform, XEN
<b>Logging and Monitoring</b>	SIP
<b>Other Technical Skills</b>	bhyve, CARP, Ceph, cisco, Cisco AS, Cisco ASes, Cisco Call Manager, Citrix XEN server, CLVM, ColdFusion, Config Server Firewall, CSF, csh, dual home BGP, EMC ScaleIO, Fuel, +Galera, GFS2, HAST, HRRP, IAX, iSCSI, Juju, MAAS, Mellanox: switches, MERA, MVTS, OpenBSD, OpenStack, OpenSwitch, RedHat GlusterFS, RIP, RIPE network resources, SAAS, SCCP, softswitch, Spacewalk, Sun Open Storage, VRRP, XenServer, zfs

## PROJECTS

### Systems Architect, Systems Engineer, ASBC

#### Responsibilities:

- Requirements analyzing.
- Infrastructure planning and implementation.
- Legacy code hell problem-solving.
- Team coordination.
- Operations;
- Support;
- Maintenance;
- ITSM(BMC REMEDY) support;
- Automatization of deployment process on GitLab CI;
- Testing (UI/API);
- Leading and mentoring the Ops Team.

**Technologies:** Java (Java EE, JDBC, Maven, Ant), SQL (Oracle, PostgreSQL, MySQL), Git, Jira, Confluence, Web server: Apache HTTP. Application server: GlassFish. MQSeries. Testing frameworks (Cucumber, JUnit). Build and deployment scripting. Documentation and project management tools. CI/CD, Pipelines



## **Systems Architect, Systems Engineer, B2B trading platform (HA infrastructure planning and implementation)**

### **Responsibilities:**

- Requirements analyzing.
- Infrastructure planning and implementation.
- Legacy code hell problem-solving.
- Team coordination.

**Technologies:** Ansible, Perl/Bash scripting, MySQL cluster, Java.

## **Systems Architect, Systems Engineer, Trading platform (infrastructure planning and implementation and support)**

### **Responsibilities:**

- Requirements analyzing.
- Infrastructure planning and implementation.
- Commissioning works.
- Team coordination.

**Technologies:** AWS, Ansible, Jenkins, Terraform.

## **Systems Architect, Systems Engineer, Infrastructure planning and implementation**

### **Responsibilities:**

- Requirements analyzing.
- Infrastructure planning and implementation.
- Commissioning works.
- Team coordination.

**Technologies:** XEN/KVM, Fuel, Openstack, Mellanox InfiniBand

## **DevOps Engineer, Workflow automation**

### **Responsibilities:**

- cPanel plugin for custom Private Tomcat System to integrate it with panels to simplify required actions for end users.

**Technologies:** PHP, JavaScript, cPanel, Apache, ModJK, Tomcat, Ansible for automation.

Role: DevOps Engineer.



## **DevOps Engineer, Setup HA cluster at Amazon AWS**

### **Responsibilities:**

- Plan, set up the environment and perform migration of an existing complicated application multisite the environment into AWS EC2 cluster with load balancer, autoscaling and AMI-separated application with shared network storage.

**Technologies:** AWS EC2, AWS EFS, AWS CloudWatch, AWS Autoscaling, Bitbucket, Nginx, php-fpm, Ansible, AWS user-data scripts.

## **Network Architect, Shared Hosting Provider (Enterprise network infrastructure planning and implementation)**

### **Responsibilities:**

- Requirements analyzing, infrastructure planning and implementation.

**Technologies:** Cisco switches, FreeBSD, dual home BGP, ARIN network resources

## **System Administrator / Expert Administrator / DevOps Engineer, Hosting company (Infrastructure and end-user support)**

### **Responsibilities:**

- Monitoring and troubleshooting for existing servers.
- Configuration of new servers.
- Data migration.
- Security audit.
- Detection and prevention of malicious activity.

**Technologies:** XenServer, iSCSI, Linux (CentOS 5-7), Windows Server(2k8-2k12), Ansible, Cpanel, Parallels Plesk panel, Apache, IIS, Nginx, PHP-FPM, ColdFusion, MySQL, MS SQL, PostgreSQL, Tomcat, Config Server Firewall (CSF), Spacewalk

## **C Developer, Remote Support Company (Security extension development).**

### **Responsibilities:**

- PHP extension development for active security audit on shared hosting servers under the company's service.

**Technologies:** C, make utils, PHP Zend API.

## **System Administrator, Lead Consultant, National education management information system (HA and high load infrastructure implementation and support)**

### **Responsibilities:**

- Planning and setting up scalable HA cluster for PHP applications with MySQL cluster backend.



- Consultations for developers for application refactoring to fit high loads and implement HA.

**Technologies:** iptables, MySQL Cluster+mysqlnd, HAproxy, CARP.

**Network Architect, System Administrator, Small Internet Service and VoIP Provider (Enterprise network infrastructure planning and implementation).**

**Responsibilities:**

- Network infrastructure implementation.
- CRM system implementation.
- Asterisk chan\_sip module refactoring for RADIUS AAA.
- HA mail service.

**Technologies:** Cisco switches, Cisco AS, asterisk PBX, FreeBSD, dual home BGP, RIPE network resources, RADIUS, C, SVN, postfix, dovecot.

**.NET developer, Engineering Plant (Application development for resource planning department).**

**Responsibilities:**

- Application development for automatic product price calculation based on Autocad blueprints.

**Technologies:** Microsoft Visual Studio, SVN, AutoCAD, AutoCAD .NET API.

## **EDUCATION**

**Kharkiv National University of Radioelectronics**

Computer Science Degree

