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|  |  | Design, build, automate infrastructure and CI/CD processes DevOps Engineer with 12+ years of experience in managing cloud infrastructure, ci/cd processes and automation. Practical experience in Kubernetes administration, Linux and database management.   * Designing and implementing infrastructure as code for AWS, Azure, Google Cloud, DigitalOcean, etc. * Designing, implementing, securing and automating CI/CD processes and application infrastructure using micro-services architecture. * Design and support application migration from VM-based infrastructure to dockerized micro-services in Kubernetes. * Bringing operation requirements to software engineering and provide maximum scalability and availability for applications and services.  Building and optimizing cloud applications infrastructure Describe OS, software, network, computer resources configuration and create Infrastructure and Configuration As Code with Terraform, Ansible, Puppet, and other tools on different clouds: AWS, Azure, Google Cloud, DigitalOcean, etc.   * Optimizing infrastructure and application for high load. * Implement infrastructure as code and change management. * Design and implement application, infrastructure and security monitoring. * Implement notification policies and define escalation rules. * Create backup and disaster recovery process. Implement data archiving.  Implementing CI/CD processes for dockerized apps and Kubernetes Automate CI/CD processes with Jenkins, Azure DevOps, Teamcity (or other) pipelines to implement   * Build application with docker. Move build configuration to the Dockerfile. * Publish and promote docker image to container registry * Deploy docker container to Kubernetes with helm and run integrational tests * Run integration, acceptance or distributed performance testing * Deploy application to development environment and trigger release pipelines  Machine Learning workflows automation and CI/CD  * Dynamic environment for ML train processes in Kubernetes or Computer Cloud * Microservice configuration and profiling for ML prediction application * Build, test and deploy pipelines for Kubernetes |
| Experience |  |  |
| Feb 2020 – now  Azure AKS Docker Kubernetes Helm Automation CI/CD Azure DevOps Azure Pipelines Aqua Security CISO SEM IaC PostgreSQL Azure Service Bus Kafka |  | Site Reliability Engineer  XLinQ / ING. Contract Infrastructure development and CI/CD processes automation  * Infrastructure cloud design and configuration in Azure * Micro-services design and full lifecycle implementation (build, test, Kubernetes deploy) * CI/CD processes automation with Azure DevOps * Infrastructure/application monitoring design and implementation with Azure Monitoring and Log Analytics * Security monitoring. Implementation of CISO and SEM rules with Azure Sentinel * Kubernetes infrastructure and ci security for docker images |
| June 2018 – Jan 2020  Docker Kubernetes helm Automation Jenkins CI/CD Ansible Azure AWS Groovy Ruby Airflow ML H2O Kafka Kinesis Jetty Ruby .Net MSSQL |  | Senior DevOps  PitneyBowes. Contract Development infrastructure and CI/CD processes automation  * Jenkins CI/CD Pipelines: build, test, publish and deploy micro-services (NodeJS, Dotnet with Docker and Kubernetes). Release preparation. * Application infrastructure design and implementation with docker and Kubernetes (AKS, EKS) * Design and implementation Machine Learning CI/CD pipelines (train, test and deploy prediction application)   What was done:   1. Dockerized complex .Net event-processing application and created set of micro-services    1. Application requirements (health checks, logging, resources profiling, etc.)    2. Local Dev / Test environment with docker-compose    3. QA/ Stage / prod environment deploys in Kubernetes using helm charts    4. Integration testing 2. Events synchronization from Kafka to AWS Kinesis    1. Local model with docker-compose    2. Permanent Azure AWS events synchronization implemented on AKS 3. Infrastructure migration from Azure to AWS (development and CI/CD) 4. ML prediction app pipelines - design and automation    1. Dynamic H2O cluster    2. Docker jetty container with H2O models    3. Deploy and performance testing |
| May 2017 - May 2018  AWS Ansible Jenkins Ruby Automation Backup Archiving |  | Senior WebOps  Provectus for Determine. Contract SaaS Product infrastructure and processes automation. Infrastructure and processes automation (AWS, Jenkins)  Backup and archiving processes automation for files and Oracle Databases (RDS)  What was implemented:   * Redesigned and implemented automated process for SaaS backup and archiving * Created custom inventory service with scheduled information update * Improved monitoring processes |
| Oct 2016 - Apr 2017  Google Cloud Automation Ansible Puppet Terraform Jira Confluence MySQL Atlassian AWS Puppet MPI Cluster Docker Bamboo MacOS |  | DevOps Architect  Nest. Contract Dev Infrastructure migration from AWS to Google Cloud.  * Infrastructure design for Development services in Google Cloud Platform (Atlassian stack and build infrastructure) Automate infrastructure provisioning and configuration. * Created migration plan to move infrastructure services from AWS cloud to GCP cloud. |
| May 2012 - Apr 2017  Private Cloud, Web Infrastructure VMware MySQL automation CI/CD High-Load Puppet |  | DevOps Architect  Freelancer Full infrastructure and DevOps support for multiple small web-projects  * Cloud infrastructure design and automation * Domain and SSL management * Private Cloud design and implementation (VMware, HP, Dell, EMC) * Infrastructure configuration with Puppet * Security audit. PCI DCC. |
| Aug 2005 - Apr. 2012  Oracle Linux Puppet PHP Ruby VMware Private Cloud RHEL Windows Server Active Directory SLES HP SAN |  | Lohika  Site IT manager / Ops Lead  Entire site operation, IT infrastructure and team management, site IT budget planning. Communication with software and hardware vendors and resellers. Communication with local service-providers.  On that position:   * Prepared budget for Private Cloud (for local datacenter). Dealing directly with software and hardware resellers to get best term and prices. * Design and deployment of Private Cloud on external datacenter. * Implemented new workflow to delivery resources to DEV and QA, which allows us to more flexible planning and managing resources. * Designed and implemented IT infrastructure for two new office-spaces in Odessa. (Telephony, networking, conference-rooms, etc.)   Senior IT / DevOps  Installing and managing different application environments with separated or shared DB (Oracle, MySQL, SQL) Linux Administrator, Oracle DBA – support all instances of Oracle RDBMS on entire the site  On that position:   * Build from scratch Virtual Private Cloud on existing hardware. Implement new workflow to ordering new resources to existing Cloud * Provide internal education on Red Hat Linux, Oracle DB to QA and developers |
| Apr 2003 - Aug 2005  Linux FreeBSD MySQL Telecom Perl PHP DialUp PostgreSQL |  | Software Engineer / DBA  TWT Ukraine Development and support for telecom billing. On that position:   * Changed core database from MySQL to PostgreSQL * Business logic moved from different system parts written on C++, Perl and PHP to PostgreSQL stored procedures * Optimizer and automated reporting processes |
| Education |  |  |
| 1998 - 2003 |  | Odesa State Polytechnic University Computer and Network Systems |
| 2016 |  | MongoDB University [M102. MongoDB for DBA](https://university.mongodb.com/course_completion/94d4710b85484f988a7274823b1db417/printable) |
| 2011 |  | HP Education center VMware vSphere 4.0 – Deploy, Configure, Manage |
| 2006 |  | Kvazar Micro Education center Oracle 10G Administrator |