**ALEX MALAI**

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| **DevOps Engineer** | | | | |
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| Highly Motivated DevOps Engineer with 8+ years of experience in the IT industry. Extensive knowledge of Infrastructure as Code tools such as Terraform. Specialize in configuration, automation and deployment of AWS Cloud Services. Held roles as DevOps Engineer, System/Linux Administrator and AWS Cloud Engineer. Interested in opportunities to progress in DevOps and automation. | | | | |
| **TECHNICAL SKILLS** |  | | | |
| * **Compute services:** AWS EC2, ELB, Lambda * **Storage services:** S3, S3 Glacier, CloudFront, Amazon EFS, Amazon EBS. * **Networking:** Route 53, VPC, VPN, API Gateway, VPC Peering, ELB, Cloud Front. * **Security**: IAM, MFA, Security Groups, NACL, Cloud Watch, Cloud Trail, KMS, AWS Config, AWS Cognito. * **Database**: AWS RDS MySQL, DynamoDB, Amazon Aurora * AWS cost planning and optimization. * **Cloud Services**: ASG, Elastic Beanstalk, CloudWatch, SQS, SNS, CloudWatch, CloudTrail. * **IaaC**:Terraform and CloudFormation * **Containers:** Docker, AWS ECS * **Operating System**: Windows, Linux, CentOS, MacOS. * **Web technologies**: Apache, Nginx * **SDLC Models:** Waterfall Model, Agile Methodologies (SCRUM) | | * **Ticketing System/Workflow**: Jira * **Source Code Management**: GIT, GitLab, CodeCommit * **DevOps tools**: Chef, Ansible, Puppet, Jenkins, Docker, Docker Swarm, ELK, Ant, AppDynamics, Akamai CDN, IBM uDeploy, Maven, AntHill Pro, Nexus, Bamboo, Buildforge, Splunk, Kubernetes **Testing tools:** Selenium WebDriver, Selenium Grid, Cucumber, Cypress, Protractor, JDBC, Rest Assured, Karate, Log4J, SQL Developer, Apache POI, POSTMAN * **Configuration and disk management in RedHat 6,7 and Ubuntu Linux Environments** – devices, partitions, files systems, mounting and RAID, SWAP space management. * **Systems Administration:** - RedHat/CentOS 6.x and 7.x user management, file editing, bash scripting, archiving with TAR and CPIO, RSYNC, file and content security, ACLs, package and repository management, logging and networking, memory management, scheduling with AT, CRON and ANACRON. | | |
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| **WORK EXPERIENCE** | | | | |
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| **PREDICTABLE SOURCING INC.** | | | **New York, NY** | |
| **DevOps/AWS Engineer** | | | **May 2019-present** | |
| * Build server deployment on Cloud (EC2) servers with help of DevOps tools like Terraform and Chef * Createdand maintain Highly Available and Fault Tolerant infrastructure in Amazon VPC using EC2 with Elastic load balancing and Auto scaling groups in AWS cloud * Create scripts for system administration and AWS using languages such as BASH and Python * Create Jenkins job to deploy Cloud Formation stacks and remove old stacks upon successful completion using Ruby scripts * Manage and monitor AWS Services including s3, Amazon RDS, IAM user accounts, Load Balancers, VPC and other network components and security features * Create Cloud Formation templates using AWS's Server less Application Model and swagger to create and deploy RESTful API's using API Gateway and Lambda * Recent project includes building 3-tier lab environment infrastructure. Architected for high availability, secure and fault tolerant, host dynamic website and MySQL database, data replication with lifecycle policy and static content delivery thru CDN. Project was built as IAAC and deployed utilizing CI/CD pipeline * Create the NACLs, Subnets, Route Tables, Internet Gateway and NAT Gateway * Create the required AMIs and guided the DevOps personnel in building and running servers * Utilize CloudWatch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, DynamoDB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system * Configure S3 to host static web content, versioning and lifecycle policies to and backup files and archive files in Glacier | | | | |
| **TestLink** | | | **Washington DC** | |
| **Manual/Automation Tester** | | | **May 2017 – May 2019** | |
| * Automated applications using Selenium WebDriver and Java * Set up a test environment for a web-based application * Developed test plans and test cases for assigned area of the AUT * Created various test supporting documents (state-transition tables, decision tables, matrices, etc.) * Performed Smoke, Function, Regression, and Compatibility testing * Identified, documented, and reported bugs, errors, and other issues in GitLab * Worked collaboratively with the Project Manager and Test Lead to complete comprehensive testing on major new releases * Performed ad-hoc testing, reported bugs using Elementool defect tracking system, and verified bug fixes * Performed Compatibility testing of web application on different browsers * Analyzed and verifyed test results, providing status and progress reports, using TestLink test management utility * Created automated test scripts using UFT and Selenium WebDriver * Designed, developed, and executed automated UI Tests using Selenium WebDriver and Java Framework * Contributed in all stages of the Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC) * Involved in preparing Testing Strategy to meet Acceptance Criteria * Participated in analyzing and maintaining requirements and created a Traceability Matrix (RTM) between Requirements and Test Cases. * Re-executed the Tests for the corresponding volumes and made sure that the parameters are within the acceptable limits after the fixes are done by the environment support team * Executed SQL Queries on SQL Server to view successful transactions of data on the Back End of the database for validation purposes * Involved in reviewing and analyzing user requirements, participated in Verification, Validation, and Acceptance Testing for developed software * Conducted GUI validations on menu bars, toolbars, text boxes, radio buttons, checkboxes, drop-down lists, list boxes, etc. using Selenium WebDriver * Maintained and executed Maven build files for running automated test cases along with Continuous Integration tool Jenkins * Performed Back-End testing using SQL queries and validated the frontend against the database. | | | | |
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| **INTUS WINDOWS** | | | **Fairfax, VA** | |
| **System/Linux Administrator** | | | **June 2014 – May 2017** | |
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| * Facilitated the growth of the IT Infrastructure, provided service support and participated in the development of brand products and services. (Blue Screen – logistics and orders, WebCalc-estimates) * Provided executive accounts maintenance and support. Arranged access for all personnel to all computer systems and programs * Supported role to Local System Administrators to troubleshoot Configuration Management Network issues * Wrote UNIX shell scripts to automate jobs and used Cron in order to schedule jobs for process automation using commands with Crontab * Worked with initial Backlog Jira requests from internal stakeholders for VM creation * Configured VLAN, Storage, vCPU and ACLs for both DEV and Testing environments * Scheduled VM deployments according to various departments’ requirements | | | | |
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| **FREELANCE** | | | **Washington, DC** | |
| **Web Developer** | | | **January 2012 – June 2016** | |
| * Designed and developed user-friendly website, including optimized check-out page that increased user clicks, and subsequently customer purchases * Trained staff members in internal web functions, including steps on how to independently make minor updates or changes * Fixed bugs from existing websites and implemented enhancements that significantly improved web functionality and speed * Developed dynamic and interactive website that ensured high traffic, page views, and User Experience * Oversaw full lifecycle of software development for 9 projects with 100% on time delivery * Implemented server that expedited document generation and search functionality by 20%, earning commendation and award from upper management * Designed processes for cleanup and performance improvement, that minimized downtime by 13% | | | | |
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| **EDUCATION** |  | | | |
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| **Technical University of Moldova** | | | | |
| Information Technology 2003-2006 | | | |  |
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| **CERTIFICATIONS** | | | | |
| AWS Certified Solutions Architect – Associate | | | | |