Syed Maad Jahangir

SEM / Chief Architect / DevOps Engineer / Senior Infrastructure Engineer

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Technical Skills

OS
Linux: Debian/Ubuntu, CentOS; Windows: 2000, 2003, XP, Vista, 7, 2008, 2012, 2016

Programming
Ruby, Bash, Python, Batch, subversion, git, YAML, JSON, HTML, PHP

Networking
TCP/IP, Load balancing, nmap, HTTP, HTTPS, SSL, SSH, IPTables, DNS, FTP, sFTP, DHCP, NFS, Active Directory, SMTP, POP3, IMAP

Technologies
Digital Ocean, GCE, Vultr, Elastic Host, Linode, Heroku, EngineYard, AWS: EC2, ELB, Autoscaling, ECS, RDS, Redshift, Route53, S3, CloudFront, VPC, EFS, SES.

Apache, Nginx, Varnish, IIS, HHVM, NodeJS, Passenger, Unicorn, HAproxy, Pound, Memcached, PHP-fpm, PHP7.

Ansible, Puppet, Terraform, Mcollective, RabbitMQ, Redis, Telegraf, Sensu, Prometheus, Graphite, Grafana, Zabbix, New Relic, Icinga, Monit, DataDog.

MySQL, MariaDB, Mysql Percona, MongoDB, PostgreSQL.

OpenSSH, MySecureShell, proftpd, Shorewall, OpenVPN, L2TP/IPSec, Postfix, Rsnapshot, PagerDuty, Duplicity.

Vmware ESX Server 4.1, Dockers, Kubernetes, Vagrant, SharePoint, WSS 3.0.

Applications
Magento (with FPC), Wordpress (with W3TC), Drupal, Joomla, SugarCRM, MediaWiki, Laravel

Professional Experience

Senior Infrastructure Engineer
April 2022 - Present

Tilta Fintech GmbH, Berlin, Germany
Financial Services

- Leading the design and implementation of cloud infrastructure on AWS to support scalable fintech applications.
- Created infrastructure on AWS ECS Fargate, enabling seamless deployment and scaling of containerized applications.
- Enhanced the CI/CD pipelines, integrating Github Actions to streamline deployment across multiple environments.
- Collaborated with the security team to implement best practices, including IAM policies, encryption, and automated vulnerability scanning.
- Developed an advanced monitoring solution using Datadog, enhancing system reliability and reducing incident response times.
- Built and automated infrastructure provisioning and management using Terraform, ensuring consistency and scalability across environments.

Senior Infrastructure Engineer
June 2020 - Present

Finiata, Berlin, Germany
Financial Services

- Took over pending projects from an ex-team member in a short period of time.
- Migration of Backend Application (Rail) from Heroku to AWS ECS (fargate).
- Enhance the Automation with the help of terraform.
- Accommodating developers requirements of features on AWS (fargate console, schedule deployment etc).
- Build and maintain monitoring on datadog.
- Worked on the Security aspect of infrastructure.
- Building multiple deployment processes, different for each environment.
- Atlantis, for production deployment (Github).
- Slack bot, with the combination of Lambda and Github action, is used for deployment on the staging environment.
- Developed the on-boarding/off-boarding process.
- Developed and Improved Monitoring, using DataDog and Python (Lambda functions).
- Worked on AWS RDS to AWS Redshift replication using AWS DMS.
- Setup Okta (SSO) with different applications.

Senior Infrastructure Engineer
Aug 2019 - May 2020

HeyJobs, Berlin, Germany
Internet

- Assumed ownership of the Infrastructure team and platform.
- Introduced and enforced process/structure to the team (Jira Workflow, RCA's etc).
- Supervised, architect, and took part in implementing technologies and platforms supporting a complex internal application.
- Developed and tracked the team's performance through the KPIs and OKRs that were set in the internal meetings.
- Helped develop a roadmap to develop and evolve the infrastructure as per the current and future demands of the business.
- Cut costs by 40% by optimizing infrastructure (AWS) and 3rd Party monitoring tool (DataDog).
- Maintained repositories for DevOps environment: automation code and configuration.
- Troubleshoot and remediate issues that were affecting the operation of the application and infrastructure (AWS ECS, AWS RDS, AWS Redshift etc).
- Achieved 92% in the internal team's happiness survey.
- Developed and Improved automation (Ansible) and supporting multiple environments which included production, staging, and QA.
- Developed and Improved Monitoring, using DataDog and Python (Lambda functions).
- Worked on AWS RDS to AWS Redshift replication using AWS DMS.
- Provided Support to Internal Teams and Products.

Software Engineering Manager
Feb 2018 - Feb 2019

ESW Capital, Austin, United States
Venture Capital & Private Equity

- Leading day to day team meetings and organizing weekly and quarterly goals.
- Defining, Optimizing & implementing processes and best practices for continuous improvement of the team's output.
- Maintaining and improving KPIs and trends.
- Net Promoter score (NPS) and Followups.
- Frequently Analysing and Monitoring requests then work on Automating them.
- Maintaining and improving FTAR.
- Implement monitoring automation in order to reduce the time between request and implementation.
- Continuous improvement of Monitoring stack to support different product more efficiently.

Chief Architect
Mar 2017 - Jan 2018

ESW Capital, Austin, United States
Venture Capital & Private Equity

- Designing and Implementing new Monitoring Stack which is Central Monitoring hub for all products.
- Supporting Old Monitoring Stack as per the requirements from different teams.
- Leading team of Engineers in Achieving the designed roadmap.
- Working on Zabbix with combination of Grafana to give teams insight of the product.
- Building a sophisticated solution to get AWS Cloudwatch stats to Zabbix.
- Delegating tasks to the team and assisting them in completing those tasks.
- Developing a complex monitoring solution for database which supports MSSQL, MySQL, Postgres and Oracle. The solution works with queries that are provided to it.

DevOps Engineer
Oct 2016 - Feb 2017

ESW Capital, Austin, United States
Venture Capital & Private Equity

- Working on deploying new monitoring stack on all the products under ESW's umbrella.
- Deploying monitoring stack consist of Prometheus, Telegraf and Grafana.
- Working on log monitoring by using ELK stack with filebeats.
- Analyzing custom requirements of products and providing solutions.
- Worked on Ansible playbooks for automating deployment process.

DevOps Engineer
June 2014 - Sept 2016

Cloudways, Mosta, Malta
Managed service and PaaS provider

- Collaborated with my team on System automation using Puppet and Ansible.
- Administration of more than 5000 servers on different cloud providers.
- Developed various Ansible playbooks to automate different tasks on Cloudways Platform.
- Setting up monitoring system for Cloudways Platform/Console using Sensu and Graphite.
- Creating Ruby scripts for Sensu checks and Graphite.
- Used GIT for version controlling.
- Creating bash scripts to automate various tasks.
- Did brief research on Dockers and its usability against Cloudways Platform.

Senior Linux System Administrator
May 2012 - May 2014

Cloudways, Mosta, Malta
Managed service and PaaS provider

- Installation, configuration and administration of Linux Servers, Maintain and Manage various services running in Linux system such as Apache, Nginx, HAProxy, MySQL (Replication), PostgreSQL, MongoDB, MariaDB, Shorewall, Varnish, Postfix, etc.
- Deployment and maintenance of Cloudways corporate customer's services and servers on Amazon Web Service, Google Cloud Engine, Digital Ocean, Linode, CloudSigma and ElasticHosts.
- Working on different products of AWS that includes EC2, Autoscaling, VPC, ELB, RDS, Route53, Cloudfront, S3, EFS, etc.
- Installation, configuration, maintain and monitoring the availability of the network and services using Zabbix.
- Setup and maintain OpenVPN and L2TP/IPSec (via Racoon and SoftEther).
- Working on backups using Rsnapshot and Duplicity.
- Installation, migration, configuration and troubleshooting of Open source Application like Magento, Wordpress, Drupal, Joomla, etc.
- Configure Caching with the help of Varnish, FPC and W3TC on Magento and Wordpress.
- Perform load test on websites using 3rd Party tools like Blitz and LoadStorm.
- Setup and maintain Samba and NFS servers as corporate client's backup servers.
- Writing and maintaining documentation for multiple tasks and procedures.

Junior Network Engineer
August 2008 - Dec 2009

eWorld Private Limited, Karachi, Pakistan
Internet and Hosting Service Provider

- Maintain and monitor Mail Services, Web Services, DNS Services and Network Infrastructure.
- Take measures to enhance network availability.
- Implement and document Network Changes and configurations.
- Management of IP addresses.
- Plan and implement monitoring and backup routine of NOC devices, configurations and Logs.
- Training of Technical Support Staff.
- Interaction with vendors and other service providers.

Education

		January 2008 - August 2011
Degree	Bachelor of Science in Information Technology	
University	Preston Institute of Management, Science and Technology	
GPA	3.5 / 4.0	