

Syed Maad Jahangir

Cloud Infrastructure Architect | AWS | Terraform | ECS/Fargate | Cost Optimization (FinOps) | Platform Engineering

a: Berlin, Germany
e: smaadjahangir@gmail.com
w: <http://www.smaadjahangir.com>
i: <http://linkedin.com/in/smaadjahangir>
s: smaadjahangir
n: +4917689223789

Technical Skills

Cloud	AWS: ECS, Fargate, RDS, Redshift, DMS, S3, CloudFront, VPC, EFS, Route53, IAM, Lambda, SES, Auto Scaling, ELB/ALB
Infrastructure	Terraform, Ansible, Atlantis, Infrastructure as Code (IaC), Platform Engineering, Multi-account AWS Architecture, CI/CD
Containers	Docker, Amazon ECS, AWS Fargate, Kubernetes, Vagrant
Observability	Datadog, Prometheus, Grafana, Zabbix, New Relic, Telegraf, Sensu, Graphite, CloudWatch, Monitoring & Alerting, Incident Response
Programming	Python, Bash, Ruby, YAML, JSON, HTML, PHP, Git, GitHub Actions
Data & Security	PostgreSQL, MySQL, MariaDB, MongoDB, Amazon Redshift, Okta SSO, IAM, Encryption, SSH, SSL/TLS, Access Management
Operating Systems	Linux: Debian/Ubuntu, CentOS; Windows Server environments

Professional Experience

Senior Infrastructure Engineer (Cloud & Platform Engineering)

Apr 2022 - Present

Tilta Fintech GmbH, Berlin, Germany
Financial Services

- Architected and operated AWS multi-account infrastructure for a production fintech platform handling critical financial workloads.
- Drove cost optimization initiatives, reducing infrastructure and observability spend through improved resource utilization and monitoring strategy.
- Designed and implemented infrastructure-as-code using Terraform and automated CI/CD pipelines to enable faster, safer deployments.
- Built and scaled containerized services using Docker, Amazon ECS, and AWS Fargate to support high-availability backend systems.
- Established end-to-end observability with Datadog, improving system visibility, alerting accuracy, and incident response.
- Acted as a key contributor in platform engineering efforts, improving scalability, reliability, and developer productivity.

Senior Infrastructure Engineer (Cloud & Platform Engineering)

Jun 2020 - Apr 2022

Finiata, Berlin, Germany
Financial Services

- Took ownership of critical infrastructure projects with minimal handover, ensuring continuity and timely delivery of high-impact initiatives.
- Led migration of a Rails-based backend application from Heroku to AWS ECS (Fargate), improving scalability, control, and operational efficiency.
- Designed and enhanced infrastructure automation using Terraform, enabling consistent and reproducible environments.
- Partnered with engineering teams to implement AWS-based solutions, including ECS features, scheduling, and deployment workflows, improving developer experience.
- Built and maintained observability systems using Datadog and AWS Lambda/Python, enhancing monitoring coverage and incident response.
- Strengthened infrastructure security and access control, including SSO integration with Okta across multiple services.
- Designed and implemented environment-specific deployment strategies for staging and production.
- Introduced Atlantis for Terraform automation with GitHub-based production deployment workflows.
- Developed a Slack-based deployment system using AWS Lambda and GitHub Actions, enabling controlled and automated staging releases.
- Implemented data replication pipelines from AWS RDS to Redshift using AWS DMS to support analytics and reporting use cases.
- Built and streamlined onboarding and offboarding processes, improving operational efficiency and access management.

Infrastructure / Platform Engineer

Aug 2019 - May 2020

HeyJobs, Berlin, Germany
Internet

- Assumed ownership of the infrastructure platform and DevOps function, driving stability, scalability, and operational excellence.
- Introduced and enforced engineering processes and team structure, including Jira workflows and RCA practices, improving incident handling and delivery consistency.
- Architected and implemented infrastructure supporting a complex internal application ecosystem on AWS.
- Defined and tracked team KPIs and OKRs, aligning engineering efforts with business goals and improving performance visibility.
- Developed and executed a long-term infrastructure roadmap, ensuring scalability and readiness for future growth.
- Achieved approximately 40% reduction in infrastructure and observability costs through AWS optimization and Datadog tuning.
- Built and maintained automation frameworks using Ansible across production, staging, and QA environments.
- Designed and improved monitoring and observability using Datadog and AWS Lambda/Python, increasing visibility and reducing incident response time.
- Managed and optimized AWS services, including ECS, RDS, and Redshift, to support reliable and scalable application workloads.
- Implemented data pipelines from AWS RDS to Redshift via AWS DMS for analytics and reporting.
- Provided cross-functional infrastructure support to internal teams and products, improving reliability and developer productivity.
- Contributed to a strong engineering culture, reflected in a 92% internal team happiness score.

Software Engineering Manager

Feb 2018 - Feb 2019

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

- Led day-to-day team operations, weekly planning, and quarterly goal-setting.
- Defined, optimized, and implemented processes and best practices to continuously improve team output.
- Maintained and improved KPIs, operational trends, and Net Promoter Score follow-up processes.
- Analyzed recurring requests and worked on automation opportunities to improve efficiency.
- Improved FTAR and implemented monitoring automation to reduce time between request and implementation.
- Continued evolving the monitoring stack to support a broad product portfolio more effectively.

Chief Architect

Mar 2017 - Jan 2018

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

- Designed and implemented a new centralized monitoring stack for a broad portfolio of products.
- Supported legacy monitoring systems while leading the transition to improved observability platforms.
- Led a team of engineers in delivering the defined roadmap.
- Worked with Zabbix and Grafana to provide teams with operational insights.
- Built a solution to collect AWS CloudWatch metrics into Zabbix.
- Developed a sophisticated database monitoring solution supporting MSSQL, MySQL, PostgreSQL, and Oracle.

DevOps Engineer

Oct 2016 - Feb 2017

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

- Worked on deploying a new monitoring stack across products under the ESW umbrella.
- Implemented a monitoring stack using Prometheus, Telegraf, and Grafana.
- Worked on log monitoring using the ELK stack with Filebeat.
- Analyzed custom product requirements and provided implementation-focused solutions.
- Built Ansible playbooks to automate monitoring stack deployment.

DevOps Engineer

Jun 2014 - Sep 2016

Cloudways, Mosta, Malta
Managed service and PaaS provider

- Collaborated with the team on system automation using Puppet and Ansible.
- Administered more than 5,000 servers across multiple cloud providers.
- Developed Ansible playbooks to automate tasks on the Cloudways platform.
- Set up monitoring for the Cloudways platform and console using Sensu and Graphite.
- Created Ruby scripts for Sensu checks and Graphite integrations.
- Used Git for version control and Bash for operational automation.
- Researched Docker and its applicability to the Cloudways platform.

Senior Linux System Administrator

May 2012 - May 2014

Cloudways, Mosta, Malta
Managed service and PaaS provider

- Installed, configured, and administered Linux servers and services including Apache, Nginx, HAProxy, MySQL, PostgreSQL, MongoDB, MariaDB, Shorewall, Varnish, and Postfix.
- Deployed and maintained customer services on AWS, Google Cloud, DigitalOcean, Linode, CloudSigma, and ElasticHosts.
- Worked with AWS services including EC2, Auto Scaling, VPC, ELB, RDS, Route53, CloudFront, S3, and EFS.
- Configured and monitored service availability using Zabbix.
- Set up and maintained OpenVPN and L2TP/IPSec solutions.
- Managed backups with Rsnapshot and Duplicity and supported migrations and troubleshooting for open source applications such as Magento, WordPress, Drupal, and Joomla.

Junior Network Engineer

Aug 2008 - Dec 2009

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

- Maintained and monitored mail, web, DNS, and network infrastructure services.
- Took measures to improve network availability and documented infrastructure changes and configurations.
- Managed IP address allocation and monitoring and backup routines for NOC devices, configurations, and logs.
- Supported technical staff training and vendor coordination.

Education

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