Arvin Ebrahimpour

DevOps Engineer

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About

Arvin is a Senior DevOps Engineer specializing in AWS cloud infrastructure, Kubernetes orchestration, and CI/CD automation. He designs and manages scalable EKS clusters, builds custom Helm charts, and streamlines deployments using ArgoCD, Jenkins, and GitHub Actions. Arvin leverages Terraform and Docker to automate infrastructure and modernize monolithic applications into containerized microservices. He also implements end-to-end observability and monitoring with Prometheus and Grafana, centralized logging with Fluentd, and develops custom scripts to support seamless database migrations and rollbacks. His focus is on delivering secure, scalable, and production-ready DevOps solutions that accelerate development cycles and improve system reliability.

Top skills

Terraform | Kubernetes | Amazon Web Services (AWS) | CI/CD Automation | Docker | Helm | ArgoCD | AWS EKS

Experience

Senior DevOps Engineer

Self-employed
Sep 2023 - Present, Stuttgart, Germany

- Provision and manage Amazon EKS clusters with auto-scaling and resource limits
- Create custom Helm charts for deployments and rolling updates
- Develop ArgoCD workflows to automate continuous delivery in Kubernetes
- Build complete DevOps and DevSecOps CI/CD pipelines to automate and secure app deployments across dev, staging, and production
- Automate AWS infra provisioning using custom Terraform modules integrated with Jenkins, GitHub Actions, and AWS CodePipeline
- Containerize legacy monoliths into microservices using Docker
- Set up monitoring with Prometheus and Grafana; implement centralized logging with Fluentd
- Write custom scripts for database migrations, rollbacks, and deployment automation

Product Owner API Management

Porsche AG

Oct 2020 - Aug 2023, Stuttgart, Germany

- Owned API product roadmap and defined strategic vision across teams
- Led backlog refinement, requirement gathering, and stakeholder alignment
- Ensured API governance, versioning, and secure design standards
- Collaborated cross-functionally with developers and business teams

Senior DevOps Engineer

Porsche AG

Jul 2018 - Oct 2020, Stuttgart, Germany

- Acted as a cloud solutions coach, guiding cross-functional development teams across various portfolios on AWS adoption and best practices.
- Designed and implemented secure, scalable AWS cloud architectures for enterprise applications across multiple business units.
- Led cloud migration initiatives, developing strategies and best practices to transition legacy workloads to AWS with minimal downtime.
- Built and maintained Infrastructure as Code using Terraform and CloudFormation, enabling repeatable and version-controlled infrastructure deployments.
- Containerized applications using Docker and orchestrated workloads on Kubernetes to support microservices and serverless architectures.
- Developed and automated CI/CD pipelines using Jenkins, AWS CodePipeline, and GitHub Actions to accelerate development cycles and enforce DevSecOps practices.
- Ensured cloud infrastructure met enterprise security and compliance standards through IAM policies, encryption, and secure networking.
- Optimized system performance and cost-efficiency by monitoring resource utilization and refactoring underperforming services.

Senior DevOps Engineer

Locafox GmbH

Dec 2016 - Jun 2018, Berlin Area, Germany

- Led the full migration of on-prem infrastructure to AWS, transitioning to a cloud-native, container-based architecture.
- Implemented CaaS (Container as a Service) using Docker and Docker Swarm, enabling scalable, self-healing environments on ephemeral instances.
- Designed and maintained Infrastructure as Code using custom Terraform modules.
- Developed CI/CD pipelines with Jenkins (using Jenkinsfile and DSL jobs) to automate deployments across staging, demo, and production environments.
- Enabled progressive delivery through automated canary and rolling deployments for microservices.
- Built infrastructure blue/green deployment pipelines for zero-downtime releases.

- Deployed high-availability MongoDB replica sets using Docker, ensuring data redundancy and fault tolerance.
- Containerized legacy J2EE applications and web services, including Wildfly 10, Keycloak 2.5, and mod_cluster, to run efficiently in Docker environments.
- Upgraded Elasticsearch clusters from version 2.4 to 5.4 and deployed them in Docker containers for improved scalability and maintainability.

Site Reliability Engineer

Wayfair · Full-time

Jan 2016 - Dec 2016 , Berlin Area, Germany
- Production Systems Architect, design and deploy critical production systems
- Production Systems Design & Deployment
- High Availability (HA) & Load Balancing (HAProxy, Nginx, Varnish, TwemProxy)
- Caching & Data Storage (Redis, Memcached)
- Messaging & Event Streaming (RabbitMQ, Kafka)
- Distributed Computing & Coordination (Apache Storm, Zookeeper, Pacemaker)
- Task Automation & Orchestration (Celery, Jenkins, Odin, Foreman, Puppet)
- Log Management & Monitoring (ELK Stack – Elasticsearch, Logstash, Kibana)

Education

Payame Noor University

Bachelor of Science, Computer Science, 2003 - 2009

Certifications

Certified SAFe® 5 Product Owner/Product Manager

Scaled Agile, Inc., Issued Oct 2021, Credential ID 94964776-1424

VMware Certified Professional 5 Data Center Virtualization

VMware, Issued Nov 2014, Credential ID 14890844-82F5-E09850642B6E

Languages

English
Bilingual