ANDRAS SPITZER

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SUMMARY

Multi-cloud (AWS, GCP, Azure), Kubernetes, CISSP and ML certified Sr. Site Reliability Engineer with 27 years of achievements engineering, building and automating wildly diverse systems at world class corporate and startup settings alike. Beyond my core SRE, DevOps and Linux skills I've gathered strong cloud, network, storage, virtualization, cyber security and database experience as well covering all OSI layers while establishing powerful foundation for engineering, architect and operational facets too. Excellent and active Python programming skills.

Exceptional Cloud engineering and operational experience, DevOps automation utilizing GitOps and Infrastructure as a Code principle using Terraform. I've led and participated in successful large scale, high-profile cloud architect, deployment and operational projects and wing-to-wing production troubleshooting on AWS, GCP and OpenStack private cloud. My cloud expertise is also backed by years of traditional datacenter design, operation and migration experience at ISPs.

Outstanding Kubernetes and observability background with Prometheus, Mimir, Loki and Grafana, APM and tracing with Otel and Datadog, log pipelines with Fluentd/bit, Vector on ELK stack. Service mesh experience with Istio, Vault for secrets management. Extensive experience with ingress controllers Ambassador, Contour, Nginx with special configuration and monitoring expertise around Envoy. I've also built various CI/CD solutions using Argo CD, GitLab and Jenkins.

TECHNICAL SKILLS

OS	Ubuntu, Debian, RedHat
Kubernetes	Istio, Envoy, KOPS, GKE, EKS, Contour, Traefik, Ambassador, Vault
DevOps	Docker, Ansible, Git, Chef, Jenkins, Argo, Flux, Nginx
Cloud	AWS, GCP, Azure, Terraform, Kafka
Language	Python, Rust, JS/TS, React, Swift/UI, PHP, Go
Database	Postgres, MySQL, Milvus, MongoDB, Oracle, NoSQL/SQL
Observability	Prometheus, Grafana, Loki, Mimir, Vector, DataDog, ELK
Artificial Intelligence	Milvus, Huggingface, NLP, Face recog, CUDA, Pytorch, TF, ONNX

PROFESSIONAL EXPERIENCE

DITTO · startup · ditto.com · Resilient edge device connectivity   Aug 2025 – Nov 2025
SRE

- Ditto core infrastructure engineering on self-managed Kubernetes clusters hosted in AWS
- Terraform for IaC
- ArgoCD in App of Apps pattern for Kubernetes and core product deployment
- Rust being the primary language for tooling and core products
- Prometheus, Grafana, Loki, Mimir and DataDog for observability
- High precision performance and reliability improvements for core network mesh product

CHEATEST · startup · Find your partner on a dating site   Jan 2024 – May 2025
Founder, Full-stack Engineer

- Hosted on AWS, managed by IaC
- CUDA Containerization, CI/CD with Kubernetes hosting
- AI Face Recognition, Arcface (ONNX), Facenet512 (TF), Dlib
- Milvus vector database
- Redpanda + Kafka for message queue, Redis for cache
- Python / Django backend, Typescript / React / Tailwind frontend
- Observability stack, Grafana, Prometheus, Loki, Vector, Mimir
- SwiftUI iOS app, demo at https://bit.ly/cheatest_demo

ETSY · etsy.com · Keep commerce human   Mar 2021 – Jan 2024
Kubernetes SRE

- Etsy core infrastructure operation on GCP, using Terraform and Terraform Cloud
- Kubernetes/GKE design and operation covering complete ecosystem
- Python, Go to support automation and custom, in-house solutions
- Large scale observability stack upgrade using Grafana, Mimir, Loki, Prometheus
- Complex latency related investigations and troubleshooting

DEEPCOLLECT · startup · Find anyone on the internet   Jan 2020 – Feb 2021
Founder, Full-stack Engineer

- GCP, Cloud Function, Cloud SQL, Kubernetes (GKE)
- React, React Hooks, Reactstrap, Swift (iOS) as frontend
- Python, Django as backend, Kafka as distributed message queue
- AI/NLP, Spacy, Stanza, NER, Information Extraction, Transformers

CURVE · startup · curve.com · Smart wallet fintech company   Dec 2018 – Dec 2019
Lead SRE

- Kubernetes as the core technology with Istio Service Mesh
- Design, install, migrate and troubleshoot self-hosted and managed Kubernetes clusters
- AWS and GCP public cloud

- Infrastructure As A Code using Terraform
- Jenkins, CircleCI, Argo, Flux for CI/CD

MYSIEVE · startup · News personalization using AI/NLP   October 2017 – Dec 2018
Founder, Full-stack Engineer

- Configuration Management using Ansible and IaC using Terraform
- Kubernetes for container orchestration and CI
- Python 3 programming using Django, GraphQL, SQLAlchemy
- React Native for iOS and Android app development
- AWS public cloud
- AI/NLP, TensorFlow for personalized news classification

BLOOMBERG LP · bloomberg.com · Finance   August 2016 – October 2017
SRE

- Improve service, systems and site reliability
- Automation using Python 3
- Custom frontend UI development using Django, React
- Modern server less API design in Python 3 for legacy services
- Migrating legacy services to micro services using Docker, Packer, Terraform
- Kubernetes configuration for container orchestration and increased resilience

MELANOMORE · startup · *Melanoma (skin cancer) screening via app*   May 2015 – July 2016
Founder, Full-stack Engineer

- Infrastructure As a Code with Terraform and Salt
- Kubernetes for container orchestration
- iOS native App design and development using Swift2
- AWS design and management
- Product demo at bit.ly/melanomore_features and bit.ly/melanomore_demo

GE CORPORATE · ge.com · Central IT for General Electric   Mar 2008 – May 2015
Senior UNIX and Storage Engineer
- Awards for outstanding skills and project management
- 10,000+ UNIX servers (Solaris, Linux) in multiple datacenters across the globe
- EMC SAN, V-Max using FAST and Virtual Provisioning
- Datacenter migration project, responsible for OS and Storage design & migration
- Configuration management using Chef
- Volunteer Oracle DBA

JP MORGAN CHASE · chase.com · Finance/banking   Aug 2007 – Feb 2008
UNIX Systems Administrator

- ~100+ mission critical Sun, Fujitsu, and IBM mid to high-end systems
- EMC, HDS, Emulex Storage
- ECMS, eTrust, Remedy, Paragrine Service Center
- Connect:Direct, AutoSys, EidRS, Lotus, BoKS, Keon

- Veritas Storage Foundation products

GE HEALTHCARE · ge.com · Healthcare division of GE   Sep 2006 – Jul 2007
UNIX Systems Administrator

- ~700+ mission critical Sun machines, all-round OS and HW support
- Sun Microsystems servers from mid to high-end
- Veritas Storage Foundation products, including VCS
- Highly sensitive HIPAA environment
- Six Sigma methodology

HUAWEI TECHNOLOGIES · huawei.com · Network technology company   Feb 2006 – May 2006
Network Support Engineer

- WAN/MAN/LAN network design and administration
- OSI layer 1-4 relevance, focusing on IP services
- Solaris and AIX server installation and administration for network management
- MPLS design and administration, L2VPN, L3VPN, QoS

EÖTVÖS LORÁND UNIVERSITY · elte.hu · Research university   Apr 2004 – Nov 2005
UNIX Systems Administrator

- academic high-end grid compute administration to support research
- establish a secure developer environment with Sun GridEngine, HPC

DEUTSCHE TELEKOM · telekom.hu · Internet Service Provider   Jul 1999 – Jan 2004
Senior UNIX Systems Administrator / Network Engineer, Developer

- design, build, and manage UNIX service servers with 24/7 availability
- design, build, and manage ISP network with 24/7 availability
- FreeBSD, Solaris, AIX, SCO UNIX, CatOS, IOS, WebNS
- Cisco Access Registrar feature improvement, Oracle accounting addon.
- Received multiple awards for technical excellence

DATANET · Internet Service Provider   Feb 1997 – Jul 1999
UNIX Systems Administrator, Oracle Database Administrator

- manage UNIX servers with 24/7 availability
- FreeBSD, IRIX, Solaris, AIX
- service configurations, DNS, HTTP, E-Mail, Proxy, Database, AAA
- port the user database system from MiniSQL to Oracle, using C++

EDUCATION / PROFESSIONAL DEVELOPMENT

- Bachelor of Science – **Computer Engineering**, GDF Budapest, 2005
- Chinese Mandarin – HSK basic, 2005

- **Google** Certified Professional **Machine Learning Engineer**
- **Google** Certified Professional **Cloud Architect**
- **Google** Certified Associate **Cloud Engineer**

- **CNCF** Certified **Kubernetes Administrator, CKA**

- **Amazon** Certified **Machine Learning Specialty**
- **Amazon** Certified **Solution Architect Professional**
- **Amazon** Certified **Professional DevOps Engineer**
- **Amazon** Certified **Sysops Administrator**

- **Microsoft** certified **Azure Administrator**

- **ISC2** Certified Information Systems **Security Professional, CISSP**

- ITILv3 Foundation Certified

- **Sun** Certified **Solaris** 8 & 10 Administrator, **SCSA**
- **Sun** Certified **Solaris** 8 & 10 Network Administrator, **SCNA**
- **Oracle** Certified **Solaris** 11 Professional, **OCSP**

- **EMC** Proven Professional program Certified, **EMCPA**

- **Cisco** Certified **Design Associate, CCDA**
- **Cisco** Certified **Network Associate, CCNA**