

ANDRAS SPITZER

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SUMMARY

Cloud (AWS, GCP, Azure), Kubernetes, CISSP and ML certified Sr. Cloud 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 – July 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 add-on.
- 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**