

# Daniel-Andrei Mincă — Site Reliability Engineer

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## Work experience

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### GfK GmbH

Nürnberg, DE

Senior Site Reliability Engineer

1<sup>st</sup> Nov. 2021 – present

- Learned how to become an 'enabler' for the Engineers that seek guidance/support by simplifying such processes and not only opening a communication channel but also nurturing collaboration
- Leading initiative to onboard projects to container orchestration platform
- Cloud Native mindset buildup by incentivizing best practices in the industry
- SLI/SLO/SLA implementation for marking apps "Production-ready"
- Consult Engineers on delivering production-grade applications with instrumentation baked-in

### GfK SE

Nürnberg, DE

Site Reliability Engineer

1<sup>st</sup> Nov. 2018 – 1<sup>st</sup> Nov. 2021

- Learned how to navigate my way in a Cloud Native ecosystem with Kubernetes
- Learned Kubernetes from the ground up & built hands-on experience
- Learned the intricacies of a "Security-first" driven mindset by implementing Security checks in CI
- Gained a much more pragmatic mindset by learning the importance of *Application Instrumentation* and how to distinguish signal from the noise in *Applications and Systems monitoring*

### Gameloft

Bucharest, RO

DevOps Engineer

5<sup>th</sup> Sept. 2016 – 31<sup>st</sup> Oct. 2018

- Infrastructure as Code implementation
- Applying best practices of Configuration Management
- Implementing Continuous Integration and Continuous Deployment + Delivery
- Container Orchestration
- Configure/Manage cloud Infrastructure
- System Administration for both on-premise and Cloud Infrastructure
- Encourage communication between siloed departments

### MarketsWorld

Bucharest, RO

System Administrator

1 Jul. 2016 – 5 Sept. 2016

Implement SMS alerting for Nagios with Twilio.

### MarketsWorld

Bucharest, RO

Ruby on Rails Developer

1 Mar. 2015 – 1 Jul. 2016

- Implementing features in an Agile manner on a Forex trading platform built on Ruby on Rails.
- Learning the basics of UNIX/Linux commands by debugging the Rails server on a Debian machine.
- Containerize all the microservices involved in the RoR application.
- Automate the local development via Bash scripts that deploy all necessary containers.

### SC.COMPLET IT.SRL

Giurgiu, RO

Entrepreneur

Sept. 2010 – 1 Jul. 2016

Launched a Web Design/Development startup for deploying websites for numerous clients.

## Recent certifications

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### CNCF

*Certified Kubernetes Administrator*  
verify credentials

29<sup>th</sup> Aug. 2021 – 10<sup>th</sup> May 2022

### Google Cloud Platform

*Professional Cloud Architect*  
verify credentials

4<sup>th</sup> Dec. 2020 – 4<sup>th</sup> Dec. 2022

## Training

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### Telecom Academy

*Java - Distributed Systems certification, EQF Level 6*

**Bucharest, RO**

10 Sept. 2014 – 7 Feb. 2015

#### Skills achieved:

- developing GUI applications, multi-threaded apps, MySQL/Oracle database design
- apply security principles in apps communication protocols
- implement standard communication protocols HTTP, IMAP, POP3

### UNCTAD - United Nations Conference on Trade and Development

**Giurgiu**

*Entrepreneurial Training Workshop certification, EQF Level 6*

7 Nov. 2014 – 15 Nov. 2014

Gained experience in becoming more efficient, establishing challenging objectives et. al.

### Telecom Academy

*Java Fundamentals certification, EQF Level 6*

**Bucharest, RO**

26 May 2014 – 15 Aug. 2014

### Crystal Mind Academy

*Web Designer certification, EQF Level 6*

**Bucharest, RO**

Jun. 2013 – Feb. 2014

## Education

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### Faculty of Cybernetics Statistics and Economic Informatics - ASE

*IT&C Security Masters Degree, EQF Level 6*

**Bucharest**

2016 – 2018

## Master thesis

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**IT&C Security Masters:** The Security of Docker Containers

**Supervisor:** Lect. Dr. TOMA Cristian

**Abstract:** The default Docker configuration is not as secure as it seems, and requires some tweaking. UNIX capabilities, cgroups, SELinux are good assets for hardening the Docker Engine.

## Languages

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**Romanian:** native

**German:** B1

**English:** C1

## Programming/scripting skills

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Go, Python, Ruby, Bash/Shell, Groovy, Java

## Technologies XP

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**Cloud Providers:** GCP, AWS

**Configuration management:** Ansible, Puppet

**Containers:** Docker, docker-compose, containerd, Kubernetes, k3d

**IaC:** Terraform

**CI/CD:** GoCD, GitLab CI, Jenkins

**Others:** Linux, Networking, VCS, Open-Source contributor