ZARA REZAIE
Infrastructure Consultant

📍 Hamburg

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Github

LinkedIn

WHO AM I?

I am a Software Developer and Infrastructure Consultant with a research background that fosters analytical and strategic thinking. I am committed to agile methodologies, clean code, and knowledge sharing, and I deliver high-quality, well-architected software solutions. I also hold an AWS Certified Solutions Architect - Associate certification.

Python

AWS

Github Actions

Terraform

Kubernetes

Linux

EXPERIENCE

08/2021 – Present   **Infrastructure Consultant**   **Thoughtworks Germany**

Cloud and infrastructure consultant with experience serving leading client organizations. Expertise in architecting AWS solutions, enhancing CI/CD processes, automating with Python and Bash, and Infrastructure as Product (IaP):

German Car Manufacturer (04/2024 – Present)

- enhancing CI/CD processes to improve overall development efficiency

- implementing Python and Bash scripts to enhance automation and streamline processes

- architecting AWS services including S3 buckets, Lambda functions to support scalable and efficient cloud solutions

- enhancing ways of working by contributing to story writing, documentation, and advocating for clean code practices

```
AWS  /  Github Actions  /  Terraform  /  Scala  /  Bash  /  Python script
```

German Car Manufacturer (12/2021 – 03/2024)

- implementing Infrastructure as Product (IaP) to enable development teams to independently set up their infrastructure

- migrating monitoring and logging tech stack (Grafana/Prometheus/Kibana to Datadog) for the whole project

- driving CI/CD migration from GoCD to Github Actions

- creating, maintaining, and optimizing GitHub runners

- managing and optimizing AWS EC2 instances across the entire project

- designing and implementing RDS and application disaster recovery processes

```
AWS  /  Kubernetes  /  Docker  /  GoCD  /  Github Actions  /  Terraform  /  Datadog
/  Bash
```

01/2020 – 01/2021   **Junior Researcher**   **FIZ Karlsruhe – Leibniz-Institut für Informationsinfrastruktur**

Collaborating with a research team focused on natural language processing, textual data analysis, and knowledge graphs. Highlights include:

- Research on hate speech detection and migration prediction

- Statistical and linguistic analysis of textual social media data

- Creation of a corpus from Twitter data to analyze public opinions

- Data visualization

```
Python  /  Pandas  /  Numpy  /  NLTK  /  Scikit-learn  /  Matplotlib  /  SPARQL  /
Twitter API
```

EDUCATION

2014 – 2017	**M.Sc. in Computer Engineering, Software**	**Imam Reza International University**

Master Thesis: Sentiment Analysis on Twitter Data using McDiarmid Tree Algorithm- Preprocessing and sentiment analysis of tweets

2008 – 2013	**B.Sc. in Computer Engineering, Hardware**	**Ferdowsi University of Mashhad**

Undergraduate Thesis: A System for Scheduling University Course Timetabling- Development of a system to automatically schedule university courses using graph coloring algorithm

PUBLICATIONS

2020   **Entity-based Analytics of Migration Tweets: MigrAnalytics.**   **Proceedings of the ISWC 2020 Posters and Demos Track, co-located with 19th International Semantic Web Conference (ISWC 2020), CEUR workshop proceedings**
Co-authors: M. Alam, A. Gesese, H. Sack. https://ceur-ws.org/Vol-2721/paper514.pdf

2017   **Sentiment Analysis on Twitter using McDiarmid Tree Algorithm**   **Proceedings of the 7th International Conference on Computer and Knowledge Engineering (ICCKE 2017)**
Co-authors: M.Jalali. https://ieeexplore.ieee.org/document/8167924

LANGUAGES

Persian - native
English - proficient
German - C1

HOBBIES

I like reading novels, playing board games, cooking, and drawing.