



ASSEM HASNA

SENIOR DEVOPS ENGINEER

PERSONAL PROFILE

I'm a Digital Firefighter—someone who steps in when systems break, risks rise, and urgent action is needed. Just as I once delivered aid on the ground, I now bring that same calm and urgency to digital crises, restoring stability and protecting infrastructure.

As a DevOps Engineer, I'm driven by a mission to use technology to safeguard and improve lives. From early-warning systems in conflict zones to scaling secure Web3 infrastructure, I combine humanitarian tech work with deep expertise in Kubernetes, automation, and cloud-native systems.

WORK EXPERIENCE

Platform Lead

Chainflip Labs GmbH, Berlin, germany | April 2024 - Present

- Leading a team of 3 DevOps Engineers
- Disaster Recovery and Backup plans
- Resource Planning and Project Management
- Release Management
- Infrastructure Scalability Planning
- Cross-cloud Workload Deployment and Management
- Implementing GitOps Best-Practices for managing K8s workloads

DevOps Engineer

Chainflip Labs GmbH, Berlin, Germany | Feb. 2022 - April 2024

- Cross-chain Crypto Currency Swapping Protocol
- Implemented multi-account AWS Architecture
- Bootstrapped and managed multiple Kubernetes clusters
- IaC Testing and Automation
- CI/CD pipeline migration from CircleCI to GitHub Actions
- Self-hosted GitHub Action Runners on AWS and Digitalocean
- Full testing suite for persistent and ephemeral Testnets
- Bootstrapped Blockchain Mainnet
- Self-hosted Monitoring and Alerting Stack using Prometheus, Loki, Grafana and Alertmanager.
- On-call rotations and response framework planning
- Managed multi-cloud workloads
- VMs and Baremetal Server Management

CONTACT

- Berlin
- assem@hasna.io
- assem.sh
- [assemhasna](https://www.linkedin.com/in/assemhasna)

TECHNICAL SKILLS

Linux SysAdmin, Terraform, Ansible, Kubernetes, Docker, Python, Micro Python, Javascript, Node, React, NextJS, Bash, SQL, NoSQL, Serverless, AWS CDK, CI/CD, Git, GitOps, ArgoCD, Arduino, Raspberry Pi, PyCom, 3D Printing, Industrial 3D Design

CERTIFICATIONS

AWS

- Developer Associate
- Solutions Architect Associate
- SysOps Administrator



CNCF

- Certified Kubernetes Administrator (CKA)



LANGUAGES

- Arabic: Native
- English: Advanced
- German: Advanced
- Spanish: Beginner

INTERESTS

- AI/ML
- Embedded Systems and IoT
- Homelab
- Cyber Security
- Cloud Computing
- Quantum Computing
- Cryptography
- Open-Source

MORE ABOUT ME

- [My TEDx Talk](#)
- [Meeting Chancellor Angela Merkel](#)
- [WIRED Magazine Artikel](#)
- [CNN Business Report](#)

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WORK EXPERIENCE

Software and DevOps Engineer

Hala Systems Inc., Berlin, Germany | Aug 2017 - Present

- Contributed to building an early warning system for civilians against Airstrikes in Syria in cooperation with Syrian Civil Defence (White Helmets)
- Ran Multiple Production workloads on AWS
- Implemented CI/CD principles
- Monitoring and alerting for Production Systems
- Used IaC to manage workloads and configuration
- Modernising a monolith systems into cloud-native

IoT Solutions Developer - Intern

Cisco, Berlin, Germany | Dec 2016 - Jul 2017

- Building IoT Solutions using Container Technologies on Cisco Routers

Robotics & IoT Teacher

ReDI School, Berlin, Germany | Nov 2015 Present

- Teaching Refugees and Newcomers the basics of IoT and Cloud Computing
- Inspiring Kids to learn more about programming

3D Printing Associate Engineer

Refugee Open Ware, Amman, Jordan | Oct 2014 - Sep 2015

- Making Prosthesis Accessible to Refugees and local communities in a cost-effective manner using 3D Printing
- Contributed to establishing the first FabLab in Jordan

Volunteer Paramedic

Syria | April 2011 - April 2013

EDUCATION

University of Damascus, Syria

UG Mathematics | Sep 2012 - Feb 2013