

YAMEN HATAHET

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LinkedIn: <https://linkedin.com/in/yamen-hatahet/>

Github: <https://github.com/YHatahet>

Visa Status: Golden Visa / Self-sponsored

A versatile engineer with a proven track record in IoT, full stack engineering, and cloud computing, blending technical expertise with strategic consulting skills. Drawing from a background in research, startups, and industry-leading tech firms, I excel in delivering end-to-end solutions; from conceptualization to deployment. Skilled in seamlessly integrating IoT devices with cloud infrastructure, and leveraging cutting-edge technologies to drive innovation and streamline operations. Worked with high profile clients around the world including the United Nations, SDAIA, Dubai Police, Katim, and Action.

SKILLS

Programming Languages: Python, Shell scripting, JavaScript + Typescript, C++, C, Java, Rust, C#

Spoken Languages: English (Fluent), Arabic (Fluent)

Technologies: Git, Juju, MAAS, MongoDB, SQL, Redis, RabbitMQ, HAproxy, Nginx, AWS, Openstack, Docker, Kubernetes, Terraform, KVM, Virsh, Virtual Machines, Containers, Active Directory, LDAP, HTTP, TLS, REST API, Node.js, React, Modbus, Canbus, MQTT, Django, Prometheus, Grafana, Loki, Alertmanager

PROFESSIONAL EXPERIENCE

CLOUD ENGINEER

Jan 2023 - Present

CANONICAL - CREATORS OF UBUNTU

- Deployed 10's of clouds in private & public environments in online, offline, and airgapped environments,
- Configured and troubleshot bugs in deployments for **Linux OS** and applications in **production**.
- Provided observability solutions for customer clouds, reducing downtimes and finding root causes.
- Created deployment guides for local repositories and mirrors in **airgapped/offline** environments, making future deployments much quicker.
- Implemented high security patches to containers & VMs for **22.04 Ubuntu** necessary for security compliance.
- Fixed and reported **dozens of bugs** for major open source projects, such as **Openstack** (Bobcat).
- Gave a talk at the annual conference for Kubernetes devs, **Kubecon 2024**, which had over 12,000 attendees.
- Mentored new joiners and lead stand-ups to get them up to speed quickly, for up to 5 at a time.
- Pioneered an automation suite to automatically set up employee laptops and meet security requirements.

IOT & FULLSTACK SOFTWARE ENGINEER

Sept 2018 - Dec 2022

RAZRLAB - DUBAI

- Redesigned the backend of an IoT remote control and monitoring platform, **improving throughput by 100%** per running instance.
- **Dockerized** the system, speeding the deployment of the entire system to less than an hour.
- Took the lead on **IoT & fleet management projects**, completing them alone from start to finish.
- Built libraries that supported most internet protocols, easily adding any device to the system on the go.
- Automated **MongoDB** database cleaning and backup, improving operational efficiency for customers.
- Coded microcontrollers for smart home applications, gaining several customers from PoC's, and won the company the Mohammed Bin Rashid Innovation Fund.

CERTIFICATIONS

CERTIFIED OPENSTACK ADMINISTRATOR - ID: COA-2300-110812-0100

Aug. 16, 2023

EDUCATION

B.Sc. in Electrical Engineering,
Minor in Computer Engineering

American University of Sharjah | 2013 - 2017
CGPA - 3.59 | Cum Laude

PUBLICATIONS

Published 3 conference papers and 1 journal article. References available upon request.