

# Software Engineer Student and Cloud/Devops engineer

*Boutheina Hamdi*

## Personal Declaration

I am Boutheina Hamdi, a software engineering student with a passion for distributed systems, cloud solution architecture and scientific researchs. My devotion to this field is evident in my academic achievements therefore i am determined to continue developing my skills and making a positive impact in the tech industry.

## Objective

The goal i am hardly working to achieve is to join a team of experts in cloud solutions and scientific research, taking advantage of my passion and skills in software engineering to contribute to innovative research and technology development.

## Curriculum

- En 2021 - to present:  
2nd year Software Engineering Student  
ISSAT SOUSSE
- En 2019 - 2021:  
Integrated Preparatory Mathematics Physics Informatics (MPI)  
ISSAT SOUSSE
- En 2019 :  
High school diploma in Technical Science with honors: Top 5%  
Kef Pilot High School

## Experience

- Part timer Azure Cloud/Devops Engineer at ASTROLAB  
2022-09-06 | to present
  - Infrastructure as a code solutions using Terraform and Bicep on Azure Portal.
  - Docker containerization.
  - Designing microservices architecture in Kubernetes.
  - Anticipating scalability strategies to ensure applications availability on Azure: Prometheus is being used as a monitoring service to trigger http requests, and keda (Kubernetes event-driven autoscaler) is being used to scale pods.
  - Ensure application's security:
    - Secure health care applications hosted on Kubernetes by managing virtual networks using Network Security Groups and VPN Gateways.
    - Setting rules to control ingress and egress traffic using firewalls.
    - Storing sensitive information like passwords, keys, and certifications by taking advantage of Azure key vaults.
  - Deployment automation using CI/CD with Azure pipeline.

### Personal informations

22 years old  
I live in Sousse Tunisia  
4003

### Contact

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### Languages

Arabic

French

English

Allemand

### Personal Skills

Problem solving  
Emotional Intelligence  
Adaptability  
Desire to learn

- Azure Cloud Engineer Internship at ASTROLAB : Deployment strategies to Azure cloud  
2022-06-01 | 2022-07-31
  - Developing DotNet microservices using asp.net core 6.
  - Docker containerization: connecting microservices using Docker compose.
  - Designing infrastructure in azure cloud for microservices using Bicep and deploying them to Azure Container Apps.
  - Communicate microservices using Dapr service invocation and Dapr Pub/Sub.
  - Deployment automation using CI/CD with Azure pipeline.

## Skills

C#	Asp.Net Core	.Net	Azure Cloud	Azure Devops
Docker	Kubernetes	Istio	Helm Chart	Grafana/Prometheus
Microservice	Middleware	Design Pattern	DDD	Inversion of Control
Java	J2EE/JEE	Active MQ	Kafka	Rabbitmq
C/C++	PHP	Symfony	Python	Dapr
HTML	CSS	Bootstrap	Javascript	OracleDB
SQL	PL/SQL	Json	Yaml	Xml
Agile	Scrum	Kaban	Scrumban	Lean

## Certifications

- Microsoft Learn Student Ambassador Certifications 2022-2023

## Trainings/courses

- Domain Driven Design Fundamentals: on Pluralsight
- Enhancing application communication with grpc: on plurasight
- Kubernetes for Developers: on plurasight
- Microsoft azure network Engineer: design and implement core Networking infrastructure
- Microsoft Azure Security Technologies
- Learn AKS storage infrastructure: on Udemey
- Azure DevOps CI/CD pipelines: on Udemey

## Community life

Head of advanced web  
departement and .NET Trainer  
oct 2020-2022



.NET Trainer at Microsoft  
Issatso Club  
2023



Alpha Microsoft Learn Student  
Ambassador 2022-2023



Women Techmakers  
Ambassadors 2022-2023

