# Mohamed Sofiene Barka

SOFTWARE ENGINEER

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Second Year Network Engineering Student & Web Developer interested in DevOps & Cloud.
Security & Blockchain Enthusiast.

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## — Skills

**Primary**:
Typescript, ReactJS, Redux, SQL, Node, Deno, Go, Python, MongoDB

**Familiar**:
Redis, Docker, Solidity, C/C++, CI/CD, GraphQL, React Native

**Tried**:
Angular, Hyperledger Fabric, gRPC, K8s, Terraform, Rust, AWS, Svelte

## — Activities

**Google Developer Student Club INSAT**, *Oct 2020 - Present*
Co-Head of DevOps & Cloud Dep.

**Dar Blockchain INSAT**
*Sept 2022 - Present*
Operations & Blockchain Instructor.

**ACM INSAT**
*Oct 2019 - Apr 2022*
Honorable Member for the year 2021

## — Education

### Computer Network Engineering Degree

National Institute Of Applied Sciences & Technology, Tunis, *2019 - present*

## — Professional Experience

### Blockchain Intern — Talan Tunisia

— *Summer 2022*

- Implemented a Blockchain infrastructure for a Metaverse Project using Solidity & Typescript. Chosen as the best team among the interns.
- **Tags**: Metaverse, Solidity, Polygon, DAO, Decentralized ID, Unit Testing

### Frontend Developer Intern — Street Car Hub

— *Summer 2021*

- Built a Calendar View To Handle Appointments using ReactJS, Redux
- Optimized the previous Frontend Boilerplate for faster Development
- **Tags**: Javascript/Typescript, ReactJS, Redux, NextJS, Vite

## — Personal Projects

*Sponsorship Platform — Academic Project, Nov 2022*
- Collaborated on Creating a Decentralized Sponsorship Platform based on Expenses monitoring using React, NestJS, Hyperledger Fabric & Jira

*P2P File Sharing Protocol — Academic Project, Oct 2022 - Nov 2022*
- Created a File Sharing Protocol using gRPC & Golang

*Carbon Emission Monitoring — TICAD8 Hackathon, Sept 2022*
- Achieved the first prize in the TICAD8 Hackathon by coding a Carbon Emission Monitoring Platform using React, Golang, PostgreSQL, Flask

*DevOps & Microservices — Final Year Project 2022*
- Collaborated With The Group To Build a containerized multiservices App, Write The Pipelines & Deploy The App to Kubernetes using Azure
- **Tags**: Go, Typescipt, Kubernetes, Gitlab CI, Prometheus, Grafana, Snyk

*The Programming Battle Royale — ACM Contest 2022*
- Built, Deployed & monitored A Competitive Programming Platform that were used to host a Real world Contest
- **Tags**: Kubernetes, Typescript, ReactJS, Redux, GraphQL, PostgreSQL