

My Name is Mohamed Sofiene Barka,

April 2023

Dear Recruiter,

I am writing this letter seeking a new experience and a new journey, to build the next generation of softwares. I am a Second year engineering student, Majored in Computer Networks & Telecommunications Engineering, with Cyber Security Minor, at the National Institute of Applied Sciences & Technology, Tunis - Tunisia, also known as **INSAT Tunisia**.

I am a Full Stack Software Developer, I have worked in various domains and used famous, rising and bleeding edge Tech. I have tried Web Development, Mobile Development, DevOps, Blockchain, Cyber Security... etc. I have been a Technology Enthusiast, always keen on building better software day after day, and eager to learn how things work.

I am an undergraduate student, enrolled in a 5 years long program, that consists of different flavors of computer engineering classes, mainly Networking, Signals and Telecommunications, Software Development Life cycle, IT, Data and Management.

As part of my academic curriculum, I have worked on a number of projects, including A Donation Website on Blockchain, A Sponsorship Platform that Acts as a Social Media-like dedicated for Crowdfunding, a File Sharing Protocol built with Golang, gRPC Framework, and Now in the process of improving the project and integrating an Authorization Process with Kerberos as part of the Cyber Security Project. One of my most notable Academic Projects was Implementing DevOps Practices with Kubernetes and Microservices. This work was part of The Final Year Project 2022, where We have successfully built our own Memes App, fully in microservices, wrote the CI Pipelines and deployed it all to Microsoft Azure on Kubernetes. where I worked on technologies and Tools that were new to me, including Kubernetes, Golang, Monitoring, Azure...

I have been working as a web developer. My first professional role was a **Frontend Developer Intern**, at *Street Car Hub*, where I have worked mainly on developing interfaces for An Ophthalmologist Management Web Application. My role then was extended to help improve the Code Quality and Optimizing the Project Structure.

For my Second internship, Hosted by *Talan*, I held the role of a **Blockchain Developer Intern**, where I conducted with my colleagues throughout 2 months a study to identify a suitable decentralized infrastructure for an ongoing Metaverse Project, eventually leading the team to build 3 features involving Decentralized Identity, Decentralized Autonomous Organization (DAO) and NFTs Marketplace, where my main role was to develop smart contracts, building a Website as a proof of concept and Writing Unit Tests, and performing Weekly Presentations. In the end our team was entitled as the best team chosen by the jury.

We held A Club event at our University, One of the main events in my journey, **The Programming Battle Royal**, which was a new kind of Competitive Programming Events, where I held the role of developing the platform, going through all the stress phases, failing a first version, and delivering a Second edition as a Live event at college where I administered the competition, getting named, as a result, an honorable member of the club holding the event, *ACM INSAT*.

Throughout less than 4 years of my time at university, I had the opportunity to work on a lot of events and improve my soft skills. From Public Speaking with presenting at hackathons, Tutoring for Technical Workshops... Leadership skills especially while interning, and working under stress. I have competed in over 15 hackathons, winning 3 the most notable ones are at the TICAD8 Hackathon and Employment Justice Hackathon by HiiL (The Hague Institute for Innovation of Law) and my hackathon projects vary from Web Apps, A couple of Metaverse projects, Blockchain projects and even an escape room.

Other than that, I am the Co-Head of Cloud & DevOps Department at the Google Developers Student Club at INSAT, where I mainly design and deliver DevOps Workshops. Moreover, I hold the position of an Operations Manager at Dar Blockchain INSAT Chapter, where I tutored Ethereum Solidity Workshops.

I recently started Playing Cybersecurity Games (*Capture the Flag*) in my spare time, Sometimes writing as an author (Web Exploitation author in 3 CTFs), playing Competitive Programming and participating in many editions of IEEEExtreme, Tunisian CPC...

I am looking forward to get in touch with you for any internship positions, I am sure no matter the project, the amount of things to learn is massive.

— **Email:** ms.barka.420@gmail.com
— **Phone Number:** +216 51 893 624
— **Address:** DarFadhal, Ariana - Tunisia

Best Regards,

Mohamed Sofiene Barka