

Mohamed Sofiene BARKA

Software Engineer
niemandx.vercel.app

Email: mohamedsoufiane.barka@insat.ucar.tn
GitHub: github.com/Nie-Mand
LinkedIn: linkedin.com/in/nie-mand

EDUCATION

- **National Institute Of Applied Sciences & Technology** Tunis, Tunisia
ICT Engineering Degree, Cybersecurity Minor *September 2019 – September 2024*

SKILLS

- **Software:** Go, Typescript, Python, React, SQL, Node, Redis, RabbitMQ, Solidity, GraphQL, gRPC, Kafka, Svelte
- **DevOps:** Docker, Kubernetes, k6, AWS, GCP, CI/CD, Terraform, ArgoCD, Kubebuilder, Nginx, Jaeger, HAProxy
- **Soft Skills:** Project Management, Product Discovery, Agile, Design Thinking, Organization
- **Misc:** Scrum, IoT, BI, Blockchain, Data Science, Hyperledger Fabric, Cybersecurity, Clean Architecture, LLM, DDD

EXPERIENCE

- **Think-it Labs** Tunis, Tunisia
Software Engineer *September 2024 - Present*
 - **Offroad Kids Stiftung:** Provisioned call center agent platform powered by LLMs to support unhoused youth in Germany using AWS Lex, Amazon Connect, Bedrock, Terraform, Python, Lambda.
 - **Internal Application:** Supported in refactoring and optimization using various AWS services, Go, Terraform.*DevOps and Cloud Engineer, Intern* *March 2024 - August 2024*
 - **Internal Application:** Realized a robust API using Golang, Echo, with integrating Google APIs, Bamboo, Slack, Swagger, AWS Secret Manager, following the Clean Architecture.
 - **Solution Architecture:** Designed the solution architecture on AWS using Lambda, API Gateway, DynamoDB.
 - **DevOps:** Applied IaC and Automation principles throughout the development phases with Serverless Framework, Terraform, Github Actions and AWS Cloudwatch.
- **PCP Consulting** Tunis, Tunisia
Platform Engineer, Part Time *June 2023 - October 2023*
 - **Kubernetes Platform:** Embarked on Designing a Kubernetes Platform System Architecture.
 - **Research & Experiments:** Held Experiments on Cloud Native Tools: ETCD, eBPF, Min.IO, Kubebuilder.
- **Vneuron Risk & Compliance** Tunis, Tunisia
Site Reliability Engineer, Intern *July 2023 - August 2023*
 - **Migration to HA:** Migrated the monolithic solution Architecture to Kubernetes achieving High Availability using Load Balancing, Clustering, Connection Pooling, featuring Elastic Search, PostgreSQL, Azure, HAProxy.
 - **Load Testing:** Conducted Load Testing on the Infrastructure to define the SLO Configurations using k6.
- **Talan Innovation Factory** Tunis, Tunisia
Blockchain Developer, Intern *July 2022 - August 2022*
 - **Blockchain Proof of Concept:** Implemented a Blockchain Platform for Decentralized Identity and DAO for Metaverse Project on Polygon using Solidity, React, Typescript.
 - **Contribution:** Benchmarked, Pitched, Provided Training, Attained recognition as top-performing interns team.
- **Freelance & Consulting** *2023 - Present*
Part Time
 - **Fullstack Engineer:** Delivered multiple web applications for various clients, using Typescript, React, NextJS.
 - **Backend Engineer:** Architected & built systems for multiple projects in Go, AWS, Postgres, Blockchain.
 - **Startup PoCs:** Created the PoC of Delivery chain System, Feedback platform & Affiliate marketing platform, using Go, Flutter, NextJS, React.

PROJECTS

- **Kli8nt:** PaaS to deploy web applications straight from Github using Kubernetes, Kafka, Golang, RabbitMQ, React.
- **Academic Project:** Full PoC DevOps lifecycle using Go, Redis, Gitlab CI, Kubernetes, Typescript, PostgreSQL.
- **Gosher:** File Sharing Protocol using gRPC, Golang & Kerberos.
- **DevOps Project:** DevOps Lifecycle for an app using Terraform, Gitlab CI, Kubernetes, Jaeger, SonarQube, Go.

ACTIVITIES

- **Entrepreneurship:** Co-founded & ideated various startups in Delivery, HR, Affiliate marketing.
- **Dar Blockchain INSAT Chapter:** Operations Manager & Solidity Instructor.
- **Securinets INSAT:** DevOps Instructor, Wrote +30 Web challenges.
- **Google Developers Student Club INSAT:** Co-Head of DevOps & Cloud Dept. & DevOps Instructor
- **ACM INSAT:** Web Master, Honorable Member in 2021 for developing the Programming Battle Royal

CERTIFICATIONS

- **Professional Cloud Architect** Google Cloud, October 2023