

Moez Bouhlef

Back-End Development Engineer

(+216) 20 334 337 | moez@tik.tn | Tunis, Tunisia | [linkedin.com/in/lejenome](https://www.linkedin.com/in/lejenome) | github.com/lejenome | lejenome.tik.tn

- An avid learner and a passionate Software Engineer with **5+ years of experience** designing software and building web services.
- Proficient in back-end engineering, particularly using Python / Django / FastAPI and GoLang. Familiar with EDA and DevOps.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Golang
Technologies: Django, Vue.js, FastAPI, aiohttp
Web Services: REST, WebSockets, JWT, OAuth2, RBAC
Data: SQL, PostgreSQL, Redis, MongoDB, NATS
Other: Ansible, Terraform, Docker, Google Cloud, Vim
Interests: Golang, Rust, Distributed computing

WORK EXPERIENCE

Software Engineer (Back End Engineer)

Aug 2017 — Present

Technology Innovation Network

Sousse, Tunisia

- Defined, designed, developed, and rolled out web services using Python, Django, PostgreSQL, Celery, Redis, and Docker for clients
- Migrated a monolith app to a multi-tenant and event-driven architecture. Used Golang / NATS and FastAPI for microservices
- Created a JavaScript SDK for the APIs. Worked along with UI/UX developers to implement web apps using Vue.js and Nuxt.js
- Automated deployment pipelines with Python / Fabric / DevOps. Managed Linux servers provisioning with Ansible / Terraform
- Highly organized, detail-oriented, and able to work under tight deadlines. Wrote tech specifications meeting client requirements
- Technologies: Python, Django, FastAPI, Golang, NATS, JavaScript, Vue.js, Docker

Software Engineer (Back-End Developer Intern)

Feb 2017 — Jul 2017

Djagora

Sfax, Tunisia

- Developed RESTful Web services using PHP, Laravel, and Lumen
- Used MS BI tools to process real-time streams sent from mobile devices and IoT sensors
- Rolled out a Web dashboard to visualize near real-time multi-layer geographic data using JavaScript ES6
- Implemented an offline-first data synchronization service for an Android app

EDUCATION

Bachelor of Science, Computer Science, FSS Faculty of Science of Sfax, Tunisia

Sep 2014 — Jun 2017

Major Coursework: Data Structures and Algorithms, Design Patterns, System Programming, Distributed Computing, DBMS, Algebra, and Statistics

Master of Engineering, Electrical Engineering: Robotics and Artificial Intelligence, ENSIT, Online

Sep 2021 — Jun 2023

Major Coursework: AI, ML, Deep Learning, Adaptive control, Multi-agent systems, Robotics, Signal Processing, Computer Vision, and Cyber-security

SIDE PROJECTS

Django REST Admin Dashboard

Python, Django, Javascript, Vue.js, REST API

- Implemented a Django module to expose the Django admin controllers to REST APIs without the need to rewrite the admin code
- Implemented a SPA Web app to consume the APIs and to auto-generate an admin dashboard using Javascript and Vue.js

Cross-Platform Mastermind Game

C, SDL2, Emscripten, Android NDK, CMake

- Implemented a cross-platform Mastermind game (CLI and GUI) using C and SDL2 with support for desktop (Linux, Win32, Mac), Web (Emscripten), and Mobile (Android NDK, iOS) while following each platform's best practices to distribute, install, and store config.

Web Browser Extension

JavaScript, Firefox Add-on API, Chrome Extensions API

- Implemented a Firefox add-on to migrate streaming websites to an HTML5-based video player. It was used by 100.000 DAU
- Migrated the extension to Chrome Extensions API, adding support to Chromium-based browsers