Moez Bouhlel

Software Development Engineer

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- 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, Golang, JavaScript, Shell
Technologies:	Django, Vue.js, FastAPI, aiohttp, Node.js, React
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

Lead Dev   **Mai 2022 — Present**
Legal Suite, Septeo (LegalTech Software Provider)   Tunis, Tunisia

- Worked with an Architect to define, and design a new ELM software from scratch using EDA, microservices, and Cloud technologies
- Lead a feature team of 3 Full Stack engineers, 1 DevOps engineer, and 1 test engineer following an Agile / SAFe model
- Technologies: JavaScript, Node.js, React, WebSocket, Golang, MongoDB, RabbitMQ, Docker

Software Engineer (Back End & DevOps)   **Aug 2017 — Apr 2022**
Technology Innovation Network (IT consulting agency)   Sousse, Tunisia

- Defined, designed, developed, and rolled out web services using Python, Django, OpenAPI, Celery, and Docker for clients
- Designed multi-tenant microservices based on event-driven architecture. Used Golang / NATS / AsyncAPI and FastAPI
- Worked along with Front-End developers to integrate API and design the core base of web apps using JavaScript, Vue.js, and Nuxt.js
- Automated CD pipelines with Python / Fabric. Deployed on-premise and managed Linux servers using Ansible / Terraform
- Worked directly with 3rd-party clients to gather and analyze requirements. Lead the SDLC process following an Agile / Scrum model
- Technologies: Python, Django, FastAPI, Golang, NATS, JavaScript, Vue.js, Docker

Software Engineering Intern (Back-End & Front-End)   **Feb 2017 — Jul 2017**
Djagora (startup incubator)   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 2024**
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