

Moez Bouhleb

Back End Engineer / Cloud Software Engineer

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- An avid learner and a passionate Software Engineer with **4+ years of experience** designing and building web services
- Proficient in back-end dev, particularly using Django, in addition to FastAPI and Golang for developing microservices
- Interested in cloud-native computing, and software design and architecture

TECHNICAL SKILLS

Languages: Python, JavaScript, Golang
Technologies: Django, Flask, Vue.js, Go/Gin/Gorm
Web Services: REST, OpenAPI, gRPC, WebSocket, JWT, OAuth2, RBAC, API integration
Other: Google Cloud, relational database, Ansible, Terraform, Docker, LXD, Agile / Scrum

WORK EXPERIENCE

Software Engineer (Full Stack 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 2 clients
- Created a JavaScript SDK for the APIs. Worked along with a UI/UX developer to implement a web app using Vue.js and Nuxt.js
- Migrated a legacy monolith code to a multi-tenant and microservice-oriented architecture. Using Golang / Gin and Python / FastAPI
- Automated deployment pipelines with Python / Fabric. Managed bare servers and VMs provisioning with Ansible / Terraform
- Leveraged the power of SystemD, Linux Namespaces, and Cgroups to implement a secure, scalable, and high-performance stateless microservices runtime without the overhead of VMs and Docker
- Highly organized, detail-oriented, able to work under tight deadlines. Wrote tech specifications meeting client requirements.
- Technologies: Python, Django, Golang, Gin, TypeScript, Vue.js, Nuxt.js

Software Engineering Intern (Back End Development)

Feb 2017 — Jul 2017

Djagora Academy

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, Faculty of Science of Sfax, Tunisia

Sep 2014 — Jun 2017

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

ACADEMIC AND 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 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. The add-on was used by 100.000 DAU
- Migrated the extension to Chrome Extensions API, adding support to Chromium-based browsers