



MOHAMED SALAH BESBES

SOFTWARE ENGINEER

CONTACT

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HARD SKILLS

Unity / C#	OOP
React	Bash Script
FireBase	Ubuntu System
MYSQL	Docker
Debugging	Hook
C	UML
Python	Git
Flask	Data Structure
express	Algorithms
SQLAlchemy	CI/CD
Html/ CSS/ Js	
puppet	

SOFT SKILLS

Communication
Relationship building
Reliable and professional

ABOUT ME

Unity developer good at debugging and can write human readable code the best way I found. Responsible, diligent person and great team Player. Seeking an opportunity to contribute to some new professional experience.

ACHIEVEMENTS

XCOM2 CLONE (INDIE GAME)

Technologies: Unity
Description: Turn-Base Game

- State machine pattern
- Observable Pattern
- Command Pattern
- Singleton Pattern
- Generic classes, Extension methods
- ShaderGraph
- Kinematic Equations
- Multi Threading Tasks
- Event System (`ScriptableObject`)

BATTLE SPACE (2D GAME)

Technologies: Python, PyGame
Description: The Game is about a Battle ship chasing an enemy and hitting with bullet (Sound Effect)

- Based on OOP

SIMPLE SHELL CLONE (C PROGRAM)

Technologies: C language
Description: The program reads commands from stdin and executes them

- Implementation of a garbage collector
- Valgrind validation for any leak

SNAKE (SDL2 GAME)

Technologies: SDL2, C, BashScript, MakeFile

TIC-TAC-TOE GAME (SDL2 GAME)

Technologies: SDL2, C, BashScript, MakeFile

TOOLS

VS-Code
Pycharm
Illustrator
Photoshop

LANGUAGES

English (preferred)
French
Arabic (maternal)

INTERESTS

Camping
biking
Fishing

IJA-FOOT (MOBILE APP)

Technologies: React-Native, FireBase

Description: Mobile App For amateur players, an easy way to organize a football match

- Agile scrum methodology and UML diagrams to manage the work between my partner
- Functional Component + Hooks
- Redux State Management
- Authentication, store, and storage services from FireBase
- Listening for real time changes on the database

AIRBNB CLONE FROM SCRATCH (WEB APP)

Technologies: Html/CSS, Python, Flask, SQLAlchemy, MYSQL, puppet,

Description: full-stack Python project using jinja2 and flask as web server

- SQLAlchemy to mapped classes to database
- Master-Slave database (MYSQL)
- Secure the server by Firewall
- Automated way to deploy code to the server using puppet
- LoadBalancer for the server
- Analyze the single point of failure
- Monitoring the project using dogdata

PROFESSIONAL WORK

MICROBIOLOGY LAB TECHNICIAN

- Organize work schedule each day in line with changing priorities.
- Collect and prepare standard data related to ongoing issues and the client.
- Preparation of the cell culture, sterilizing it.
- Working under the requirements of ISO 22000.

EDUCATION

2021	Holberton School Software Engineering
2020	GO-MYCODE Full Stack JavaScript
2017	ISBST Master degree in Biotechnology
2015	ISBST Licence degree in Biotechnology