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https://github.com/virmak ⭘
Mohamed Ben Amar 🔗

MED BEN AMAR
FULLSTACK DEVELOPER

Professional Experience

Software developer in test (End of studies internship) — Spark-it, Sfax
February 2020 - July 2020
Development of a test automation framework and a Domain Specific Language

Trainer — Innovation formation, Sfax
October 2019 - January 2020
Spring boot and Angular trainer

Fullstack developer — Betplus, Sfax
August 2016 - March 2020
Development and maintenance of an online sport betting web app

Education

Bachelor of Computer Science,
Sfax — Private Polytechnic Institute of Advanced Sciences IPSAS
September 2017 - September 2020

Technical skills

Programming Languages: Java, C#, Javascript, Python, C/C++
Web Development: JS/Node.js, ES6, TypeScript, PHP, HTML, CSS
Frameworks: Spring, Express JS, Slim Php, .NET Core, Flask
Libraries: jQuery, Twig, Eloquent, PIXI.js
Frontend: Angular, React-native, Ionic, Material UI, Kendo UI, Clarity design, PhoneGap/Apache Cordova, WPF, WinForms, Electron
Database: MySQL, MariaDB, MongoDb, PostgresDB, PL/SQL, Redis
Tools: Git, SSH, Shell, Docker, Jenkins, Gulp, Webpack, Apache, Nginx, ANTLR, Gearman, RabbitMQ, Puppeteer, Selenium, WebDriver, Cucumber, JUnit, TestNG, Mockito, PHPUnit, Keras, Jupyter, Photoshop, Illustrator, UML

Projects

STAF   ⭘ https://github.com/virmak/staf   🖼 Screenshots

- Designed and developed a Domain-specific language to write test scripts
- Developed an extensible test automation framework that supports running tests in parallel
- Developed a backend API to manage the framework
- Designed and developed a user-friendly web-based IDE with a feature-rich code editor

`Java` `Spring boot` `PostgreSQL` `Angular` `ANTLR` `Selenium` `Docker` `Jenkins`

Betplus V2   🔗 Link   🖼 Screenshots

- Designed and developed desktop and mobile web apps
- Developed a backend API with JWT authentication
- Developed a Sport data API
- Deployed using docker and Nginx on AWS (microservices)

`Spring boot` `Node.js` `MongoDB` `Angular`

Betplus V1   🔗 Link   🖼 Screenshots

- Defined user requirements
- Developed backend for a sport betting web app
- Designed and developed a back-office application
- Developed a concurrent web scraper to retrieve sport data
- Developed a chrome extension to help with sport data entry
- Developed a platform to manage proxies server on multiple cloud providers
- Maintained, fixed bugs and implemented new features

`PHP7` `PHPUnit` `SlimPHP` `Eloquent` `Twig` `Guzzle` `MariaDB` `MongoDB` `Gearman` `Angular`

Bet POS   🔗 Link   🖼 Screenshots

- Defined user requirements
- Developed a RESTful API using Spring boot
- Developed JWT authentication using Spring security
- Used Spring data JPA to persist data
- Used Docker and Github Actions for CI/CD
- Developed the frontend using Angular 9 and VMWare Clarity design framework

`Java` `Spring boot` `Spring Data` `Spring security` `JPA` `Hibernate` `MySQL` `Angular` `Github Actions`

iOsea   ⭘ https://github.com/virmak/iosea   🔗 Link   🖼 Screenshots

- Developed a tool to read a raw Nasa's sattelite data and convert it to Json
- Developed a map visualizing sea water level based on satellite data

`Python` `Flask` `Leaflet.js`

Live roulette   ⭘ https://github.com/virmak/roulette-frontend

- Developed a frontend for a web game using PIXI.js
- Developed backend with web socket for real-time communication

`Express.js` `PIXI.js` `Socket.io` `Node.js` `Passport.js` `MongoDB`

Payroll Management   ⭘ https://github.com/virmak/ipsas

- Defined user requirements
- Designed and implemented a desktop app using WPF and SQL Server

`.Net Core` `WPF` `SQL Server`

Additional Info

- Experience with MVC frameworks
- Follow best pratices, clean code, clean architecture, SOLID, TDD
- Linux Administration
- Experience with AWS

Volunteering

IEEE Student Member
IEEE Polytech Sfax SB
SEPTEMBER 2018 - PRESENT

Media Manager / Trainer
Microsoft Tech Club FSS
SEPTEMBER 2015 - JUNE 2016

OGV & Marketing Member
Aiesec Thyna
SEPTEMBER 2016 - JUNE 2017

Hackathons

1st Place - Hult Prize ISET 2020
2nd Place - Nasa Space Apps 2019
2nd Place - IEEE PES Week 2019

Languages

Technical english: Advanced
French: Intermediate
Arabic: Native