Curriculum Vitae

Aicha FATRAH

SOFTWARE ENGINEER
&
PhD reseacher

Contact

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Profile

I'm a software Engineer and a PhD researcher.
I'm currently team leader of R&D department at Teamwill consulting company, and also pursuing my studies as a PhD student.

Work Experience

Team leader of R&D department
TEAMWILL Consulting Morocco - CASABLANCA

January 2020- current job

I'm lead of R&D team, our mission is to produce new services and products, and improve existing solutions using latest technologies such as machine learning and blockchain. We were able to develop client dedicated solutions such as:
- Intelligent Document Processing platform for classifying and reading scanned documents.
- Automatic licence plate recognition
- Automatic facial recognition System
- Chatbot for customer support

Assistant professor (Part time)
Faculty of Science and Technology – Settat Morocco

February 2019- January 2020

I assisted software development classes for second and third year students, the main modules were:
- Data Structures in C/C++
- Algorithms and programming

Software Developer
ORCA FORMATION - CASABLANCA

September 2017- December 2019

I worked as a part of a team of developers, our responsibilities are; designing, coding and modifying applications, from layout to function, according to our clients' specifications. Some of the applications I worked on are :
- Document Management Systems
- Integration of business process managers (workflows)
- Financing simulators (web/mobile)
- Administration and dashboards
- Test automation with Selenium
- OCR with Tesseract / Machine Vision with OpenCv for template recognition
- Web Scraping using python/beautifulSoup/Selenium

Education

PhD Student in applied mathematics and computer science, Faculty of Science and Technology – Settat Morocco

Since 2018

My thesis is about Blockchain technology to secure IoT identity, I'm trying to show how blockchain-based approach is much superior in terms of efficiency, simplicity, cost, security, performance and effectiveness, by implementing a solution to secure IoT identity over the network.

Master's in Software Engineering
National School of Applied Sciences – Khouribga Morocco

2012 - 2017

Relevant coursework: Algorithms and programming languages, Software Development management, Database Management systems, Systems administration …

Skills

- Clean code practices to develop readable maintainable and scalable code for web applications
- Ensured quality with unit and integration tests and also test automation
- Writing documentation
- Improving existing code and defect/bug tracking
- Agile methods such as Scrum
- Research and critical thinking

Technology Skills

- HTML/CSS, PHP/Symfony, JavaScript/Jquery/Angular/nodeJS, Java/JEE, Python/Flask/Django, C/C++
- Mobile development : Android, Flutter
- GIT/SVN, Jenkins, Docker
- OS : Windows/Linux
- DB : SQL/MySql/MongoDB
- Markdown, LaTeX, XML
- AI: Tensorflow, Keras, scikit learn

Languages

- Arabic : native language
- French : fluent (speaking, reading, writing)
- English : fluent (speaking, reading, writing)

Hobbies & interests

I love coding, reading, building useless robots, and travelling.
I also enjoy making stuff that combine both software and hardware.