

# Mehdi Khrichfa *Full-Stack Developer*

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🌐 <https://github.com/mehdikhrichfa> **in** <https://www.linkedin.com/in/mehdi-khrichfa/> 📅 28/05/1997

## Skills

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### Front-End Development

HTML5, JavaScript, TypeScript, CSS3, SASS, Angular, RxJS

### Database Administration

MySQL, SQLite

### Deployment

Linux, NGINX, Docker, VPS

### Back-End Development

Python (FastAPI, Django, Flask), PHP, Java (Spring Boot), REST APIs, Open API

### Hybrid App Development

Ionic, Capacitor, Cordova, iOS, Android

### Other

Git, Agile, Scrum, PEGA, Knowledge Graphs, C, C++, C#, WordPress, UML, Networking, Stripe

## Certifications

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- Pega Certified System Architect (CSA)

## Professional Experience

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### Full-Stack Developer, *RTÉ*

04/2023 – present  
Dublin, Ireland

- Developing and upgrading the second most popular Irish news website, [rte.ie](https://www.rte.ie) 🌐, using **Django**
- Implementing effective **caching** strategies
- Developing **RestAPI** endpoints used by other applications
- Performing a full migration of legacy code from **AngularJS** to **Angular**
- Working in **Scrum**, continuously delivering patches and new features to more than **1.5 million** unique users per month

### Full-Stack Developer and IT Manager, *Celignis Analytical*

05/2021 – 04/2023  
Limerick, Ireland

- Developed new Laboratory Information Management System (LIMS) using **Ionic** and **Angular** for the front end, **FastAPI** for the back end, a **MySQL** database, and **NGINX** and **Docker** for the deployment
- Developed **Python** scripts to automate time consuming daily tasks for the laboratory analysts
- Fixed bugs and extended current LIMS, developed in **HTML**, **PHP** and **JavaScript**
- Managed all IT systems in the company
- Configured networks for laboratory equipment and Windows PCs
- Analysed, processed and controlled the quality of the data produced by the laboratory before submission to customers

### Hybrid App Developer, *Column*

08/2020 – 06/2021  
Turin, Italy

- Developed a cross-platform app from scratch using **Angular**, **Ionic**, **Capacitor** and **Cordova** for a **startup**
- Built, debugged and published app on both **iOS** (TestFlight) and **Android** (PlayStore)

- IT Consultant**, *Blue Reply Financial Services* 06/2020 – 04/2021  
Turin, Italy
- Implemented UI redesign of a car insurance company's website using **AngularJS** and **CSS**
  - Developed processes in **PEGA PRPC** and performed **API integrations** for a mail routing web application
  - Worked in **Scrum** team, interacting directly with stakeholders from one of the ten largest insurance companies in Italy
  - Developed app interfaces for one the three largest insurance companies in Europe
- Full-Stack Developer**, *Nexa Center for Internet & Society* 02/2019 – 02/2020  
Turin, Italy
- Developed front end and back end of web application for a European Union financed project in the e-learning sector
  - Back end in **Python**
  - Front end in **HTML** and **CSS**
  - Wrote a script in **Python** to parse a **JSON** dump and map it to a **knowledge graph**
- Full-Stack Developer**, *Harvard University's Berkman Klein Center* 06/2018 – 08/2018  
Cambridge, MA, USA
- Developed multiple scripts to scrape and aggregate papers from multiple research centres using the **Scrapy** framework for **Python**
  - Designed and wrote **REST APIs** to access the papers using **OpenAPI** and **Flask**
  - Developed a **Flask** website with **Jinja** templates and **Bootstrap** for the styling to browse and filter the papers
  - Helped troubleshoot issues during deployment of redesigned research centre's website
- Freelance Web Developer**, *B&B il Sogno* 09/2017  
Turin, Italy
- Built a website for a bed and breakfast in **WordPress**
  - Integrated the website with Airbnb's booking system
- Full-Stack Developer**, *Celignis Analytical* 08/2016 – 09/2016  
Limerick, Ireland
- Upgraded internal website by designing and developing new web pages in **HTML**, **JavaScript**, **CSS** and **PHP**
  - Administered a **MySQL** database
  - Normalized existing tables
- Desktop Application Developer**, *National Paratroopers Association of Italy* 03/2015 – 02/2016  
Turin, Italy
- Developed a **Java** desktop application
  - Built a **Graphical User Interfaces** starting from design documents
  - Integrated **MySQL** database with application

## Education

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**Bachelor's Degree in Computer Engineering**, *Politecnico di Torino* 2016 – 2020  
Turin, Italy

Relevant Subjects:  
Computer Science, Algorithms and Programming, Databases, Operating Systems, Computer Networks, Design Patterns, Object Oriented Programming, Software Engineering, Testing Methodologies

## Languages

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- Italian
- Spanish
- English
- Moroccan