

# Yasser Kaddour

SOFTWARE ENGINEER

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## Tech Stacks

**Programming languages:** JavaScript, Typescript, GraphQL Python, Scala, SQL, HTML, CSS

**Frameworks & Libraries:** React.js, NodeJS, Relay, Gatsby, Play Framework, Pandas, TensorFlow, WordPress

**Tools & technologies:** Docker, Git, Shell, API, Linux Server, Vim, JAMStack, PostgreSQL, Webpack

**Media:** Illustrator, Photoshop, InDesign

## Experience

### CodeConik

Algiers, Algeria

INDEPENDENT SOFTWARE CONSULTANT - ODOO INTEGRATOR

May 2018 – Present

- Founded CodeConik, a consulting software company that specializes in Odoo ERP solutions.
- Pitched proposals and demonstrated POCs to potential customers.
- Built ERP modules that adapt to the needs of multiple Algerian businesses.
- Adopted an Agile methodology while working closely with clients to design and implemented customized modules.
- Provided integration, customization, upgrading pre-delivery.
- Engaged in training sessions and workshops post-delivery.
- Extended customer-support services (configuration, troubleshooting, on-site deployment and other).

**Technologies:** Python, Odoo, Docker, DevOps, PostgreSQL, JavaScript, HTML, XML, API, Linux Server, Shell, Git.

### DzCities

Bejaia, Algeria

FULL-STACK ENGINEER

May 2016 – April 2018

- Front-end development from start to completion with React.
- Back-end development using Scala, Play framework, NodeJS.
- Utilized Git as Version Control System in an Agile work environment.
- Architected GraphQL servers using Sangria.

**Technologies:** NodeJS, React.js, Scala, JavaScript, Typescript, GraphQL, Relay, Sangria, Slick, Webpack, PostgreSQL, styled-components, react-router, HTML, CSS, Git.

### Yenweb

Bejaia, Algeria

FULL-STACK ENGINEER

Sep 2014 – May 2016

- Developed a fully responsive React frontend application from the ground up.
- Backend development using the Scala, Play Framework, Slick ORM.
- Designed and developed a GraphQL server.
- Conceived and maintained websites with a focus on loading speed and SEO on WordPress.

**Technologies:** NodeJS, Scala, Sangria, Slick, GraphQL, JavaScript, React.js, Webpack, PostgreSQL, styled-components, Typescript, react-router, API, WordPress, PHP.

## Education

### University of Montpellier

Montpellier, France

Master 1 in combinatorics, algorithms, network security and administration, **Excellence scholarship**

Sep 2009 – Sep 2010

### University of Bejaia

Bejaia, Algeria

Bachelor's degree in Computer Science, **Valedictorian**

Sep 2006 – Sep 2009

## Projects

### Scraping project

2022

- Scrapping 100000+ records daily, each record protects by a captcha.
- Training a deep learning model to break the captchas with an accuracy of 98%.

**Technologies:** Python, TensorFlow, Keras, Pandas, Playwright, NodeJS, BeautifulSoup, Machine Learning, Multithreading.

### CodeConik website 🌐

2021

- Blazing fast static responsive website built with React and Gatsby.

**Technologies:** React.js, Gatsby, JAMStack, tailwind CSS, Typescript.

### Algeria's Covid-19 Hospitalization Dataset 🌐

2021

- Use Twitter API to scrap Covid daily data from the Algerian Ministry of Health
- The obtained dataset is consumed by the "Our World in Data" Covid-19 project

**Technologies:** Python, Pandas, Tweepy, Twitter API.

### Covid Emergency: bypassing a dongle protected license manager

2020

- Decompiled and reverse-engineered a license protected software, patched multiple DLLs to bypass the license manager and the Aladdin HASP4 Dongle.

**Technologies:** Reverse engineering, Decompiler, HASP4

## Certifications

2016

**Functional Programming Principles in Scala (Coursera) taught by Martin Odersky,**