



# Armand Ioan Croitoru



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Iasi, Romania



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## About me

I like simple and efficient software. I consider myself to be patient and consistent.

## Languages

- Python
- GraphQL
- SQL (PostgreSQL)
- JS and ReactJS
- Bash
- C/C Embedded
- $\LaTeX$  - markup language

## Technologies

- Django
- FastAPI
- Celery
- Docker
- Kubernetes
- GitLab CI/CD
- Redis
- PostgreSQL
- Elasticsearch
- AWS (S3, EC2, SES)

## Interests

I am passionate about web development and embedded systems.

## Experience

**July 2021 - present**

**Full Stack Developer (Python/ReactJS) at VUUH**

Iasi

Web Development

Being part of a small start-up team I helped build our own project regarding data manipulation in the fashion industry. I also transitioned from Python towards full stack to better fit the team needs.

- Building from scratch FastAPI microservices in Kubernetes environment;
- Developing data pipelines based on various sources (emails, PDF, XLSX);
- Coordinating a group of outsourced developers to help us expand one of our microservice;
- Integrating AI into our platform using ChatGPT API;
- Suggesting, breaking down and developing new features to follow customer needs;
- Using GitLab CI/CD features to setup automation processes for zero down-time deployments on Kubernetes;
- Optimizing SQL queries when frameworks like Django and their ORM are overwhelmed by the required complexity;
- Experimenting and working with the newest technologies like FastAPI, GraphQL and Elasticsearch;
- High focus on tests and Test Driven Development;

**February 2021 - July 2021**

**Python Developer at OVES ENTERPRISE**

remote

Web Development

Working alone to implement the requirements discussed with the customer. I helped him transition from one ERP to another.

- Setting up and adapting an open source ERP project;
- Creating REST services to automate tasks, integrate them to customer's servers and hosting them on AWS with Docker;
- Using Celery and RabbitMQ for automating emails;
- Develop tools to transfer data from the old system;

**June 2017 - July 2021**

**Python/Embedded Software Developer at CONTINENTAL**

Iasi

Automotive

I have worked on multiple projects throughout the years and covered all of the V-Cycle from designing new modules to developing and testing them. I also built various tools for test automation, code generation and test reporting;

## Personal Projects

### Web based memorizing tool

Developed a single page app that makes use of the Spaced Repetition Algorithm. The goal of this is to help me, and not only, learn new things by importing spreadsheets or other data formats and transforming them into "cards". These are shown at calculated time intervals.

### Various embedded projects developed for clients or myself

Working with both AVR and PIC microcontrollers and implementing:

- operating systems and state machines;
- communication through protocols like: SPI, I2C, OneWire;

## Education

**Vasile Alecsandri University - Bacau**  
Informatics (unfinished)

2017 - 2021