

FULL STACK DEVELOPER

Python – JavaScript | HTML – CSS | SQL | Linux | Git
Django – Flask | jQuery – DC/D3/Crossfilter | Agile & TDD Dev.

Xavier Astor



GitHub
LinkedIn



083.876.8686



ASTOR.XAVIER@GMAIL.COM



DUBLIN - D08



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Profile

Full Stack Developer with real-world experience: see portfolio below. Trained specifically in current front-end / back-end technologies with a five month hands-on classroom course.

Six years previous experience as a project engineer, providing strong teamwork and autonomy skills enabling quickly fitting into teams and projects. Education (two Master of Science degrees) providing strong analytical thinking abilities and a capacity to learn and adapt fast.



IT Projects

Upon graduation from [Code Institute](#), ranked among the [best](#) coding bootcamps worldwide, I have been working as a freelancer on the following projects:

Trinity College Dublin Web App

TCD wants to make an online scientific app determining the baseflow characteristic of a water resource. I'm working with the researchers to transform their idea into an application. The application takes a user inputted data file and processes it to generate output data including visual representation of the data in the form of charts. More features to come.



Python / Flask – NoSQL (MongoDB)

JavaScript / DC / D3 / Crossfilter (Data visualisation)

Linux – HTML / CSS / Bootstrap



www.tcd-baseflow.com



github.com/Xorast/Trinity-Project

Youth & Community Centre Web App

This 2,800 member organisation needed a website built and in production with a very tight 9 days deadline. I carried out the full completion of the project, from understanding the client's needs to frontend / backend development, deployment, delivery and follow-up. Full description of the app in the ReadMe file.



Python / Django – JavaScript / JQuery

Automated Testing – Continuous Integration (Travis)

E-commerce (Stripe) – Linux – AWS Storage (S3)

SQL (Postgres) – Heroku – HTML / CSS / Bootstrap



www.mjc-mauguio-carnon.com



github.com/Xorast/MJC-Website

SPA & API Web App

Single Page Application using API to get news from online newspapers on a user chosen topic and a custom micro-API to get tweets on Cyber Security and on two other topics.



Python / PyMongo / Tweepy / Flask

NoSQL (MongoDB) – Linux

Heroku – HTML / CSS / Bootstrap



api.xavierastor.com



github.com/Xorast/Project-API

As an engineer (see Work Experience) I developed business and engineering solutions, such as this one:

Production Lines Optimisation Desktop App

Entire development of an application generating production line reports (statistic, charts) from a database of processes (valve opening/closing, turbine speed...). This application enabled the identification of issues and the assessment of expected gain from solving them.

Led to significant production line optimisation: +20% production capacity increase within 6 months.



VBA



Work Experience

Full Stack Developer, Freelance, Dublin

Aug. 18 – Present

Full Stack Web Development Degree (see Education)

2018

Project Engineer, Vinci Energies, Nuclear Industry, Paris, France 5 years (2011 / 17)

Project exp. – Worked on four and ten million euro budget projects in the highly demanding nuclear industry.

Teamwork – Assisted the project manager in coordinating the work of all four teams: design / technical / construction / testing teams.

Client – Liaised with the client throughout the project to resolve design, technical & contractual issues and ensure client's satisfaction.

QA – Ensured the projects' compliance with external and internal QA Management Systems, regulations and contracts.

Engineer Assistant, Sun Chemical, Ink Industry, France

6 months (2011)

Analytical skills – Identified production issues, devised and implemented quantified improvements.

Teamwork – Liaised weekly with the plant manager, the head of operations, the head of maintenance, the process expert and the operators to make decisions on the best options to implement.

Engineer Assistant, Eli Lilly, Pharmaceutical Industry, France

6 months (2009)

Autonomous – Was fully in charge of implementing changes in production procedures, meeting the stringent requirements of the pharmaceutical industry.

Analytical skills – Collected and analysed production and chemical data for investigation.



Education

Full Stack Web Development, Code Institute, Dublin

March – Aug. 2018

Hands-on course 4 wks preparation, 12 wks in class instructions and 4 wks dedicated to projects.

Master of Engineering, Ivy League - Upenn, USA & U.T.C, France

2006 – 2011

Scientific training Advanced mathematics, statistics, algorithmic coding, energy & process eng.

Advanced Master's degree – Sustainable Technologies, U.T.C, France 2010 – 2011