Daniel-Florin-Damian Tuna

Junior Software Developer

👤 Profile

Passionate, experienced, and dynamic self-taught programmer, with 1 year of work experience and several years (3+) of continuous learning, doing some freelancing and personal projects to strengthen my technical skills.

💼 Employment History

Jr Backend Developer at Mountsoftware, Bucharest

December 2017 — December 2018

1. Designing and implementing the database architecture for the company's projects in the early stage or in a refactoring process, with the help of using the Data Modeling concepts - the *Data Conceptual Model* (DCM) and *Data Physical Model* (DPM).
2. Implementing and verifying the functionality processes of web applications with the database, such as: registration & authentication of an user, password recovery process, insert, read, modify and delete (or data manipulation) operations.
3. Maintenance of existing projects, in collaboration with the rest of the team.
4. Securing web applications by validating the SSL certificate (or generating one if it doesn't exist), encrypting sensitive information using a cryptographic algorithm (my go-to is bcrypt) and checking for known vulnerabilities (XSS, SQL-Injection) and fix them, if any.

In my spare time...

December 2015 — Present

1. Built a sensor monitoring project, which measured different parameters (e.g. temperature, air pressure) and sent the values to the server via TCP/IP, where the values were intercepted and added to the database. I was responsible for creating the connection socket (open connection on a certain port that listens for the incoming message packets), parsing the incoming packets following a syntax established in agreement with the client. The client was able to set the maximum allowed values for the listened parameters from the web interface, receiving a message via SMS or email if the values received had exceeded the allowance limit.
2. Built a script in Python, using the Selenium package, which would authenticate my user on an advertisement site and raise the visibility of my own sell / buy ads every 15 minutes.
3. Creating an e-commerce website, using the LAMP stack - Linux, Apache, MySQL and PHP (using Laravel Framework).
4. Creating a *droplet* (an instance running in the cloud) on DigitalOcean provider, installing nginx and pointing the nameservers to my domain.

Details

0739-944-689

danieltuna97@gmail.com

Skills

Docker

Linux commands

HTML

CSS

C# .NET

PHP

Git

Languages

English

Romanian

5. Tinkering and playing around with AWS and its services - I have used AWS EC2 (similar to the "*droplet*" on DigitalOcean - a VPS instance running in the cloud), AWS S3 (for storage) and AWS Route53 (for domain's DNS management).
6. Learned basic mathematical concepts for a deeper understanding of data science and statistics field - linear, multiple, polynomial regression, SVR, SVM, Naive Bayes regression.
7. Understanding the running time (complexity) of an algorithm - the Big-O notation
8. Built a platform for a video-chat studio - I created a script to log the models automatically, at a predetermined time, in the various known platforms on which they were active, to retrieve information of interest (such as income, total number of hours spent) and make them available to the manager.
9. Built a job finder platform for my Bachelor Thesis degree, using the role-based authentication system, with a dynamic defined application template where the recruiter can check the fields which are of interest for a specific job opening.
10. Learned basic Photoshop skills - I have received a country-level mention on a graphics contest called *Adobe Youth Voices (2014)*', as an applicant on the category "Posters".
11. Learned GIT concepts and the importance of a Version Control System.

🎓 Education

GED, Aurel Vlaicu National College, Bucharest
September 2013 — September 2017

Mathematic-Informatics graduate

Bachelor Degree, Academy of Economic Studies, Bucharest
October 2017 — October 2020

Accounting and Information Systems graduate