

Personal details

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Objective

Developing large scale web/mobile applications. Also interested in Bitcoin/blockchain and distributed apps.

Work experience

2017 Freelancer

- Aloalto, IoT project using Python and Amazon Web Services

2016 Sabbatical year

- traveled through SE Asia and Europe, embracing the digital nomad life
- studied Bitcoin, Ethereum and blockchain technologies
- codementor.io, mentored people in Africa on Python and Bitcoin

2012-2015 Freelancer, Python/JavaScript/Android projects

- Joto (Python/Django), <http://joto.me>
- Instabridge (Android), <http://www.instabridge.com/>
- Atex Computers (Python/Django), computer shop website, <http://www.atexpc.ro>, source <https://github.com/viorels/atex>

2010-2012 Python Developer at PBS.org (17.2 mil monthly visitors)

- developed and maintained a large scale video portal using Python, Django, JavaScript, MySQL and cloud computing
- created a "Bulk Media Uploader" cross-platform desktop application

2007-2010 Technical Solutions Consultant at Hewlett-Packard

- worked with customers to provide the best experience using "HP Server Automation (SA)" software
- written Python scripts that diagnose SA issues
- developed a Perl application that consolidates support resources

2004-2007 Freelancer/Developer

- web/network applications on Elance
- used Perl, JavaScript, PHP

2003-2007 L1-3 Remote Tech Support, Server Administrator and Developer at Carpathia Hosting Inc, Ashburn, VA, USA

- managed remote server infrastructure and automated operations for ~150 servers
- provided good support for hosting customers through tickets and text chat
- written Perl code to extend web hosting control panel functionality in order to improve work effectiveness

Education

2000-2004 Computer Science at Babes-Bolyai University, Cluj-Napoca, Romania
1996-2000 Informatics at Grigore-Moisil High school, Tulcea, Romania

Projects

www.atexpc.ro (<https://github.com/viorels/atex>)

- Computer shop. Implemented client/admin area using Python/Django. Created for Atex Computer, Cluj-Napoca, RO

GPS data receiver

- Application running on a Linux server and listening on a TCP/IP socket for incoming communication from lots of GPS/GSM devices and then storing them in a database. Built with speed and robustness in mind using Perl/POE. Created for GPS4NET Cluj-Napoca, RO.

Ad Server

- JPEG/Flash/JavaScript banner serving and caching. Built with speed and scalability in mind using mod_perl2. Created for AffiliateWindow London, UK

www.bancuri.com

- Joke database. Pet project to play with new things that I'm learning

Skills

Python : expert (2009-NOW)

- good OO, functional, meta programming understanding

- Django, BeautifulSoup, requests, pytz, Pillow, wxPython, virtualenv
- unittest, mock, nose

JavaScript : very good (2005-NOW)

- object oriented, prototyping, closures, DOM
- frameworks : jQuery, Backbone

Perl : expert but rusty (2002-2009)

- object oriented (classic objects, inside-out, Moose/Mouse)
- advanced regular expressions, testing, one liners
- frameworks : POE, Catalyst, CGI::Application

Other languages (ordered by skill) :

- Scala/Clojure/Groovy/Java
- PHP
- BASH shell/scripting language
- Go
- Haskell
- C/C++
- ASM

Databases :

- good with MySQL and PostgreSQL
- also worked with Oracle, MSSQL

Linux/FreeBSD :

- good administration/security skills and working with web servers

Web :

- good with HTML, CSS, JavaScript, Unicode
- security aware (SQL injection, XSS, XSRF)

Network protocols :

- familiar with inner guts of TCP/IP, HTTP, SMTP, FTP, SSH, DNS, ARP

Collaboration tools :

- good with Git
- worked with Bugzilla, RT, Jira (+Atlassian suite)

Abilities

- quick learner when motivated
- motivated when given a technical challenge

Languages

- romanian: native
- english: reading/writing - good; speaking – fluent

Hobbies

- flying gliders/paragliders
- dancing argentine tango
- traveling as a digital nomad