

Ionuț Ticuș-Mitidoi

Personal Information

Date of birth: 26th of March, 1985
Citizenship: Romanian
Specialization: Software Engineer
Email: ticus.ionut@gmail.com



Education

2004 – 2009: *Politehnica University of Timisoara*, Romania – Diplomat Engineer in Automation & Computers

2000 – 2004: *Traian National College of Drobeta Turnu Severin*, Romania – mathematics & computer science

Languages

Romanian: mother tongue

English: European C1 (proficient user in reading, listening, speaking and writing)

German: European B1 (independent user in reading, listening)

Competences

computer science:

- an experienced Linux user (development, administration, scripting)
- software development in various languages: **Python**, **JavaScript**, C, Java
- experience with many DBMS-es: **PostgreSQL**, **MongoDB**, **MySQL**, MS SQL Server, SQLite
- experience with various toolkits and platforms: **Django**, **Tornado**, jQuery
- webpage design skills: HTML4/5, CSS, JavaScript
- experience with many programming technologies: **JSON**, SOAP & REST webservice, long-polling, SQL & NoSQL
- experience with many development tools: **Eclipse**, Netbeans, **GIT**, SVN, Trac
- virtualization technologies: VirtualBox, KVM, QEMU

telecom & computer networks:

- advanced Linux networking: routers (Endian Firewall), VPNs (OpenVPN, VPNC, Openswan)
- advanced system administration: **Nginx**, Apache, FTP servers, **ejabberd**, Postfix
- strong knowledge of the TCP/IP protocols
- GSM /GPRS basic principles

miscellaneous:

- GIS, GPS, hardware, storage, cloud systems (DigitalOcean, AWS)
- experience with mapping platforms and services: OpenStreetMap, Google Maps
- HMI/SCADA experience: Iconics, OPC
- office tools: LibreOffice, MS Office, Google Docs
- others: driving license (category B)

Professional Experience

2005 – present: ETA Automatizari Industriale SRL, Timisoara, Romania – software architect and developer, system administrator

Main projects and responsibilities:

- *SafeFleet Portal* – web based portal for a fleet management system
technologies: Nginx, Django, Python, JavaScript, JQuery, PostgreSQL, MongoDB, memcached
- *HuGo* – electronic Toll collection system implementation for the SafeFleet stack
technologies: shapely, rtree, pyproj, pywps, Tornado, MongoDB, JSON, XML
- *Device gateways* – implemented gateways for various 3rd party tracking devices (Teltonika, Careu, Intellitrac, SmartOne) to be integrated with SafeFleet Portal
technologies: TCP, Tornado, binary data, MongoDB
- *eRSMon* – python based daemon for sending notifications (email / SMS) and OTAP messages
technologies: Tornado, SQLAlchemy, Python, PostgreSQL, PySerial, SMTP
hardware: Siemens TC65i GSM/GPRS modem
- *manage* – internal web application for troubleshooting SafeFleet devices
technologies: Apache, Django, Python, JavaScript, JQuery, PostgreSQL, XMPP
- several SCADA projects in various industries (water treatment, district heating, electric utility, hypermarket chains)
technologies: Iconics, OPC, LonWorks, Modbus, GSM/GPRS
- system administration (firewall, databases, hardware installation and configuration, RAID setups (software and hardware), backups, 3-rd party servers administration)

Social skills

- good ability to adapt to multicultural environments
- strong referential values of fairness, equity and dignity
- problem-solving attitude

Hobbies

- ski
- football
- tennis
- traveling
- chess and other board games