MOMTCHEV Momtchil

Full-stack engineer

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https://github.com/mmomtchev
https://mediuim.com/@mmomtchev

Seasoned full-stack engineer with solid background in operating systems and networking and 5 years of web development, both back- and front-end, very good troubleshooting skills being able to trace problems from the network stack through the operating system, the V8 interpreter and the high-level abstractions

Node.js	★★★★★
Docker	★★★★
DevOps / Puppet	★★★★
Python	★★★
Linux	★★★★★
TCP/IP	★★★★★
C/C++	★★★★★
Angular	★★★
Cartography	★★★★★

bash, Express, Webpack, Bootstrap, JQuery, ElasticSearch (ELK), Audio/Video streaming, Scientific computing, Cryptography, Security, GDAL, OpenLayers, numpy/pandas/seaborn, Apache, haproxy, keepalived, IPv6, bind (DNS), IPSec, MySQL, PostgreSQL, mongo, PHP, Ansible, Kubernetes, classical hosting et AWS/GCP

French, English and some basic Russian
Bulgarian as native language
Driver license, pilot (paragliding) license, boating (sailing) license, interest in meteorology and scientific computing for meteorology

Professional experience

FDJ Gaming Solutions
10/2018 – 12/2019
Tech Lead for a lottery gaming terminal: NW.js/Angular for the high-end business logic and the GUI, C++ middleware and networking, Python OCR

velivole.fr / meteo.guru
06/2017-actuellement
Creator and sole engineer, a weather site dedicated to sailplane and foot-launched aircraft: C / Python /GDAL for the scientific computing, Node.js back-end, JQuery/Bootstrap front-end

Etrali (currently IPC)
04/2011 – 05/2018
Lead audio streaming and systems engineer for a dedicated voice trading platform, C / C++ for the audio streaming and also Puppet for the automated deployment

Contractor / Freelance
2007-2011
Aldeberan Robotics, Groupement Cartes Bancaires RealEyes3D, Sagemcom, Etrali
Security, system and networking development – C / C++ on FreeBSD, Linux, OpenBSD with strong TCP/IP focus – designing firewalls, routers, ADSL terminals

Netasq (currently Stormshield)
2004-2006
R&D engineer for firewall equipment and networking software

LIFL
2001-2003
Research Fellow

Education

DEA d'Informatique (Master's-equivalent) l'USTL (2001) and DEUG de Génie Electrique by the Sofia Higher Technological Institute (1998), twice valedictorian

Research papers and international awards

2001 An Asymmetric Real-Time Scheduling for Linux, Momtchil Momtchev and Philippe Marquet, Tenth International Workshop on Parallel and Distributed Real-Time Systems

2001 CacheFS : un système de fichiers distribué all-cache, Momtchil Momtchev and Philippe Marquet, Rencontres Francophones de l'ASF, section française de l'ACM-SIGOPS, (ASF'02)

2003 Éléments d'implantation d'un noyau ARTiS. Research Report 03- 05, Momtchil Momtchev, LIFL, Université de Lille, France, December 2003. (In French)

2005-2006 Classé en première division de la compétition internationale en algorithmique TopCoder