

# Gabriel NAGY

## PERSONAL DATA

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PLACE AND DATE OF BIRTH: Timișoara, Romania | 3 March 1997  
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## WORK EXPERIENCE

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### *Current*

Senior as of MAY 2021  
MAY 2019

Software Engineer at PUPPET LABS, Timișoara

- Actively working on the Puppet Agent, an open-source collection of software that is required for puppet and its dependencies to run. This includes Puppet, Facter, and other Puppet software, but also vendored dependencies like Ruby, cURL, OpenSSL, and more.
- Participate in all stages of development, from attending product meetings, planning and implementing features, code review, testing and integrating, to releasing on a monthly cadence and preparing demos of the team's past work.
- Work on automating testing & shipping Puppet on more than 40 platforms and counting. Add support for new platforms by creating virtual machine templates and making them available to our scheduling service which provides disposable VMs. This includes building VMs with Packer and provisioning them with Puppet for ESXi, EC2, and our in-house service which handles devices and virtualization technologies on exotic architectures not supported by vSphere (AIX LPARs and Solaris LDOMs).
- Worked on rewriting PE Client Tools in Go, a set of command line tools to access Puppet Enterprise services from a workstation that might or might not be managed by Puppet. Recurring responsibilities include maintenance and releasing on a quarterly cadence.
- The majority of my work is open-source, which means regularly interacting with our community through various channels of communication (Slack, GitHub, IRC, mailing lists). Community responsibilities include reviewing patches/pull requests and holding office hours on a monthly cadence.
- Contribute and submit patches to upstream Puppet projects that are open-source, such as Ruby, JRuby, cloud-init, Augeas, Chef gems.

MAR 2018-MAY 2019

Software Development Engineer at NOKIA NETWORKS, Timișoara

- Participated in a knowledge transfer program on-site in Beijing and helped propagate the knowledge to our local team. Helped organize trainings for students.
- Involved in the maintenance and development of an LTE BTS O&M component responsible for handling technical report generation, PM counter computing and reporting (realtime and non-realtime), remote syslog functionality.
- Worked with CMake, bash and Python to automate various parts of the build process, including XML parsing and C++ header generation.

MAY 2016-MAR 2018

Junior Software Developer at NOKIA NETWORKS, Timișoara

- Worked with Python, Angular and shell script to maintain and extend a CI tool for local teams
- Created a web app for iTEC (engineering contest) on which ~100 users concurrently uploaded and tested C/C++/Java/Python source files
- Used Flask, CouchDB, ChartJS and Docker to develop statistics for application tests

## EDUCATION

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JULY 2018 Bachelor Degree in COMPUTER SCIENCE at **West University of Timișoara**  
Thesis: “Continuous Integration with Buildbot” | Advisor: Stelian MIHALAȘ  
JULY 2015 **Liceul Teoretic “Grigore Moisil”**, Timișoara

## SCHOLARSHIPS AND CERTIFICATES

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FEB. 2019 Coursera - Microservices - Fundamentals (Certificate: WFEL59FDNCMQ)  
JAN. 2019 Coursera - Build a Modern Computer from First Principles: From Nand to Tetris  
DEC. 2018 Coursera - Chinese for HSK 1 (Certificate: DN284HE96628)  
MAR. 2014 Microsoft - MOS: Microsoft Office Word 2010 (Certificate: eY6p-FVre)  
NOV. 2013 Certiport - IC3 Certification - Global Standard 4 (Certificate: 5hhp-4TNH)  
OCT. 2013 Microsoft - MTA: Windows® Operating System Fundamentals (Certificate: wCdKR-4SuP)  
JUNE 2013 Microsoft - MTA: Gaming Development Fundamentals (C#) (Certificate: 5vzL-4TwX)  
DEC. 2011 University of Cambridge - Certificate in Advanced English

## LANGUAGES

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ROMANIAN: Native  
ENGLISH: Fluent  
GERMAN: Basic  
JAPANESE: Basic  
CHINESE (MANDARIN): Basic

## COMPUTER SKILLS

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Programming languages: Ruby, Puppet, Python, C++, JavaScript, Go, bash  
UNIX tools: coreutils, package managers - apt, yum/dnf, pacman, pkg (Solaris IPS)  
Text editors: emacs, vim, vscode  
Server administration: Debian/EL-based distributions, Solaris, AIX, macOS, Windows  
Version Control Systems: git, svn  
Markup & documentation: Markdown, RST, org-mode, L<sup>A</sup>T<sub>E</sub>X  
Miscellaneous: Docker, GitLab CI, Buildbot, Jenkins (JJB), Packer

## INTERESTS AND ACTIVITIES

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Technology, FOSS, Functional programming, Computer Systems  
Books, Movies, Music, Videogames, Board games, Language learning, Weightlifting  
Travelling