

Adnan Hodzic

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Summary of Qualifications

Highly creative and persistent technologist, always welcome to challenges. Goal oriented with keen interest in new technologies and computing future in general, adaptable with proficient leadership and entrepreneurial skills.

Specialties include Linux and Open Source software (Development, engineering, and its business philosophy)

Education

State University of New York at Canton (June 2012)

Bachelor of Technology in Information Technology (graduated with highest honors)

Professional experience

VEON - Amsterdam, Netherlands

DevOps Engineer – (July 2017 – present)

- Implementation of centralized authentication system (VEON SSO Platform).

Consisting of fully automated, stateless containerized Single sign-on (SSO) and LDAP authentication systems, with great focus on security. Providing SSO authentication to all services (SSH, container orchestration, Monitoring, Jenkins, Gitlab, Nexus, etc) on numerous environments used in infrastructure (AWS cloud & on-premise).

- Development and implementation of 2FA (two factor authentication) method for use in VEON SSO Platform.
- Development of SSO management toolkit (Golang) with all necessary features for team related SSO operations (based on API calls). Features include:
 - User management (create/delete/search)
 - Multi-factor authentication (MFA) operations.
 - SSH user authentication and key management.
 - SSO/LDAP backup (developed custom API for automated/manually triggered SSO/LDAP backups)
- Contributed to development of in house built containers orchestration system (Golang).
- Development of (stateless, containerized) pipeline for development and automated deployment of CMS (content management system) sites in use for Product and Business.
- Various other cloud infrastructure (build/deploy) related operations with Docker, Ansible, and AWS Cloud Formation.

IDEXX Laboratories

DevOps Engineer – (September 2015 – June 2017)

- Formation of enterprise level infrastructure from scratch/startup foundation. With main focus on automation, scalability and security.
- Migration of all bare metal servers and services to Amazon AWS.
- Standardization of environments/infrastructure/tools/scripts in Amazon AWS.
- Author of many automation tools like “clinic-migration” and “provision” tool. Minimizing time/effort required for certain tasks from hours to minutes.
- Setup Ansible for infrastructure automation and orchestration tasks.

Mendix

Technical Project Manager – CloudOps Engineer (September 2014 – September 2015)

- Subject-Matter Expert (SME) and Project Lead of biggest customer oriented Cloud Migration Project.
- Author of "auto-mx". Automation utility to interactively install and setup Mendix, as well rest of utility's which are needed to run Mendix application. Currently in use in production for on-premise deployments (Debian/RedHat/CentOS)
- Problem resolution on infrastructure level. Various other tasks including application/system deployment, debugging, Xen, Nginx, PostgreSQL, Debian, Puppet, VPN with focus on automation.

Booking.com

Unix System Administrator (December 2013 – May 2014)

- Linux/Unix engineering, scripting, XML, puppet and RPM package creation.
- Focus on automation, including services, server and system deployment.
- Troubleshooting and various other system administration tasks.

eBuddy

Linux System Administrator (April 2013 - December 2013)

- Linux engineering, Debian package creation and management. Puppet, general focus on code automation.

Publications:

- Automating Debian package creation and management with Maven/Ant”: [\(ex\) eBuddy Tech Blog](#)
- Taking control over Debian and its package repositories”: [\(ex\) eBuddy Tech Blog](#)

Government of Republika Srpska / NGO DIVA / The Debian Linux Project

Organization of DebConf11 (June 2009 - September 2011)

- Bid initialization, presentation, promotion/Teams creation, coordination and delegation
- Besides full Governmental support, fundraising and getting sponsors like Google, Canonical, HP, et cetera
- Leading event promotion through newspapers, TV, portals and social media
- Setting new standards with future of DebConf bidding candidates, from usual 2-3 candidate countries to 13
- Gets status of one of the most visited DebConf's
- Impressed by DebConf11 success, Government approved my idea of implementing Linux based solutions into its institutions. In particular renovating and revolutionizing health and education system.

Reference: "[My DebConf11 summary and its after effects](#)"

Independent Web Developer

Development, design, deployment of customized Open Source CMS solutions (February 2006 – May 2011)

- One of the clients included a *Government of Tanzania*
- Excelled in WordPress customization for users with limited technical capabilities
- Made "forked" version of WordPress called [IcePress](#) to suit my needs

American University in Bosnia and Herzegovina

Student Information System (SIS) developer (May 2008 - October 2008)

- Created SIS based on customization of Centre SIS
- Was offered full academic scholarship based on job performance
- Tutored workers how to use SIS and tailored it based on their request
- Assisted my superior with University migration to Google Apps, networking and computer troubleshooting

System Administrator, Networking, Support (October 2007 - February 2008)

- Set University's networking infrastructure; connected two remote university sections
- Assisted university workers with their networking and computer related problems

INFO Magazine

Columnist and author (February 2009 – October 2009)

- Promoted Linux/Open Source software and its technologies in my country and nearby region

AbsHost Hosting

Founder, System admin., web devel, sales, community leader & manager (June 2004 – December 2006).

- Started providing a new breed of premium free web hosting based on Open Source and community principles without any ads or hidden costs to the user
 - Created international community with variety of skills and experiences
 - At its peak, managed hundreds of free accounts, with paid model of few dedicated server customers
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Volunteer activities

The Debian Linux Project

Developer (June 2007 - present)

- Debian contributor, and package maintainer. Currently involved with lxc project (lxd, lxf)

DebConf (June 2007 – September 2011):

- Event organizer, local team founder & leader | DebConf11 - Banja Luka, Bosnia and Herzegovina (July 2009 - August 2011)
- Organizer | DebConf10 - New York City, NY, USA (July 2009 - August 2010)
- Video team, volunteer | DebConf9 - Cáceres, Spain (July 2009)
- Volunteer | DebConf7 - Edinburgh, Scotland (June 2007)

OMG! Ubuntu

- Columnist and author (March 2011 - present)

The Slackware Linux Project

- Unofficial package maintenance, bug fixing/reporting (February 2006 - June 2007)

Wormux

- Developer, bug fixing, Slackware package maintainer (February 2006 – June 2007)
- Developed physics particle engine

BHLD2

- Core team; remastering, Kernel, Hardware support and packaging (2006)

Talks Presented

- **“DebConf in a Nutshell”** - Days of Open Systems / Croatian Linux Users Convention DORS/CLUC (Zagreb, 2011.)
- **“DebConf11 in Bosnia”** - DebConf10 (New York City, 2010.)
- **“Participate in DebConf11?”** - 2nd meeting of HardwareBase community (Sarajevo, 2010.)
- **“DebConf in Your City”** - DebConf9 (Cáceres, 2009.)
- **“Tailoring custom CMS solutions with Open Source”** - American University in Bosnia and Herzegovina (Tuzla, 2008.)

References

- Linux Magazin (Germany) - “Debian-Entwicklerkonferenz in Banja Luka ” (October 2011) [print](#) | [web](#)
- ITpro (Bosnia) - “Vlada RS razmatra open source rješenja” (Septembar 2011) | [web](#)
- INFO Magazin (Bosnia) - “BiH: Središte Linux svijeta na sedam dana” (August 2011) | [print](#)
- Nezavisne Novine (Bosnia) - "Banja Luka će u julu biti centar Linux svijeta” (March 2011) | [print](#) | [web](#)
- Mreza (Croatia) - “Intervju: Adnan Hodzic, vođa tima za organizaciju DebConf11 u BiH” (February 2010) | [print](#)
- American University in Bosnia and Herzegovina - “Student in Spotlight: Adnan Hodzic” | (July 2008) | [web](#)

Other references available upon request