

# Neven Luetić

*project history*

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## Personal Information

Born 19th of June, 1963, in Zagreb (croatia)  
Marital status unmarried  
Citizenship german

## Education

Study **psychology**, 1990, Dipl. Psych., University of Osnabrück  
Course **organisational programmer**, 1991, Siemens-Nixdorf, Osnabrück

## Languages

German native speaker  
Englisch very good  
French basic

## Certificates

June 2014 Cambridge Certificate of Proficiency in English (C2)

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## Senior Devops Engineer, Software Developer, Linux System administrator

The focus of my work lies in the realm of DevOps, CI/CD and Infrastructure as Code.

I have many years of background in software development (C, C++, Perl, PHP, Javascript and Python) as well as system administrator (several Unix derivatives, like AIX, Solaris, SINIX, later on Linux only).

In software development Python is the main programming language I am using. For many years now I have used Test Driven Developments (TDD) and test automation in my software projects, to support Continuous Integration and Continuous Delivery (CI/CD).

As a software developer I have worked on a wide range of projects, ranging from APIs, especially with REST, web development, with HTML, CSS, Templating based on a multitude of frameworks in PHP, Perl and Javascript, access to CDNs etc. as well as Backend development with the use of a range of databases and SQL.

As Linux administrator I have a profound knowledge of the base concepts and mechanisms of various Linux flavours and broad set of skills in the realm of infrastructure. This includes

<b>VM</b>	kvm, XEN, VMWare, Virtualbox
<b>Container</b>	Docker, docker-compose
<b>Databases</b>	PostgreSQL, MySQL, Oracle
<b>networking</b>	network configuration, ports
<b>Web</b>	Reverse Proxy (haproxy, nginx), Webserver Apache/Nginx, Domains, DNS
<b>IAM</b>	OIDC, Oauth2, Zitadel, LDAP (OpenLDAP)
<b>CI/CD</b>	Gitlab, Jenkins
<b>version control</b>	Git
<b>Monitoring</b>	Grafana/Prometheus, ELK

In my main area of work, as a DevOps Engineer, I can make use of many of those skills, the one's from Linux administration when working on IaC, especially with Ansible, the one's from software development when working on CI/CD pipelines, when supporting developers with testing and in regard to questions of software architecture in general.

Currently I am working on Kubernetes (k8s) and GitOps based on AWS, StackIT and on premises hardware.

## project history

All distinct projects are listed separately, even when the customer stays the same.

12/2023 - today **Docassemble - Python-Development, CI/CD, Deployment, Hosting, IaC, LegalTech**, Osnabrück

<b>Cloud</b>	AWS, On premises, kubernetes
<b>IaC</b>	Terraform, Ansible, helm
<b>Docassemble</b>	Test setup on AWS with Helm, Development with terraform for kubernetes deployment on AWS and on premises
<b>Software Development</b>	Python program for running test scenarios, web applications for access
<b>Interviews</b>	Github/Gitlab integration, debugging, analysis
<b>CI/CD</b>	Docker images, pipelines for python modules, pipeline scenarios
<b>User management</b>	Configuration of Zitadel

- Configuration management - Ansible, Terraform (HCL), helm
- IaC - Gitlab, Docker, docker-compose, helm, Kubernetes
- Programming languages - Python (flask, FastAPI, SQLAlchemy)
- Software - Docassemble
- Operating Systems - Linux, Cloud, AWS
- Version control - Git
- IAM - zitadel
- Project management - agile Methoden, leantime

<b>Linux and Cloud</b>	Server and cloud setup (Hetzner, AWS), reverse proxy, software provisioning, monitoring, identity access management, VPN
<b>Docassemble</b>	Automation of setup and configuration of Docassemble instances, installation of interviews, user management, docassemble source code analysis, enhancements
<b>Interviews</b>	Development of interviews, Github/Gitlab integration, debugging, analysis
<b>Development</b>	TDD, Python program for testing docassemble interviews, other python modules, development of web applications with flask and Vue/Nuxt.
<b>CI/CD</b>	Pipelines for Javascript applications (Nuxtjs/Vuejs) and Python programs and modules in Gitlab
<b>Configuration management</b>	Complete server, cloud and software landscape

- Programming languages - Python (flask, SQLAlchemy, pytest, tox), Javascript (VueJs, NuxtJs), Bash
- Software - Docassemble
- Operating systems - Linux, Cloud, AWS, Hetzner Cloud
- Configuration management - Ansible, Terraform
- Services - Gitlab, Gitlab-Runner, Docker, docker-compose, Kubernetes, Github
- Mailserver - Postfix
- VPN - Wireguard
- Monitoring - Grafana, Prometheus
- IAM - oauth2, oidc, auth0, ory, zitadel
- other - Postgresql, DNS
- VCS - Git
- Project management - Agile methods

<b>Linux und Cloud</b>	Server- und Cloudsetup (Hetzner, AWS), Reverse Proxy, Softwareprovisionierung, Monitoring, Identity Access Management, VPN
<b>Docassemble</b>	Automatisierung von Setup und Konfiguration der Docassembleinstanzen, Installation von Interviews, Benutzerverwaltung, Sourcecodeanalyse Docassemble und Erweiterungen
<b>Interviews</b>	Entwicklung von Interviews, Github/Gitlab-Integration, Debugging, Analyse
<b>Entwicklung</b>	Pythonprogramm für das Testen von Docassemble-Interviews, andere Pythonmodule, Entwicklung von Webapplikationen mit Vue/Nuxt.
<b>CI/CD</b>	Pipelines für Javascriptanwendungen (NuxtJs, Vuejs) und Pythonmodule in Gitlab
<b>IaC</b>	Ansibleplaybooks und -rollen für die komplette Server, Cloud und Softwarelandschaft, Terraform für AWS-Testsetups

- Programmiersprachen - Python (TDD, pytest, tox), Javascript (VueJs, NuxtJs), Bash
- Software - Docassemble
- Betriebssysteme - Linux, Cloud, AWS
- Konfigurationsmanagement - Ansible, Terraform
- CI/CD - Gitlab, Gitlab-Runner, Docker, docker-compose, Kubernetes, Github
- reverse proxy - haproxy, nginx
- Mailserver - Postfix
- VPN - Wireguard

- 03/2020 - 12/2021 **Enhancements for a python software system, Cloud Based Company Infrastructure, Legal/Tech, Osnabrück, Consultant**  
**Python** - German grammar declension module, crawlers  
**Infrastructure** - Provisioning of servers and software for a cloud based company infrastructure  
**Interviews** Development of interviews for docassemble, github integration, debugging, analysis  
**Training** Training of legal staff for interview development, Python  
**Devops** - IoC with Ansible
- Software - Docassemble, Nextcloud, Openproject, Gitlab, Github, Onlyoffice, Rocketchat, Jitsi
  - Programming languages - Python (pytest, TDD), Bash
  - Operating systems - Linux, Cloud
  - Configuration management - Ansible
  - Services - Gitlab, Github, Nginx, Docker, docker-compose, DNS
  - VCS - Git
  - Project management - agile methods
  - Other - YAML
- 01/2019 - 03/2021 **Perl development, Logistics, Hamburg, Software Engineer**  
**Perl** - Development of object oriented programs in the context of a legacy application  
**Oracle** - Organize migration of tables in sync with a software deployment
- Operating systems - AIX, Centos 7
  - Configuration management - Ansible
  - Programming languages - Perl, ksh, C, Java
  - DB - Oracle, SQL Developer, sqlplus
  - Services - Jenkins, Nginx, Elastic (ELK: elasticsearch, kibana, logstash, filebeat), Nexus, Jenkins
  - Version control - git
  - Other tools - make, rpm, maven, gcc, GNU-Maketools
  - Project management - Jira/Kanban
- 01/2019 - 02/2020 **Ansible Development, Logistics, Hamburg, DevOps Engineer**  
**Ansible** - Automation of software deployment in a legacy environment
- Operating systems - AIX, Centos 7
  - Configuration management - Ansible
  - Programming languages - Python, ksh, Perl, C, Java
  - DB - Oracle
  - Services - Jenkins, Nginx, ELK, Nexus
  - Version management - git
  - Other tools - make, rpm, maven, gcc, GNU-Maketools
  - Project management - Jira/Kanban

- 11/2017 - 12/2018 **Ansible Softwaredeployment Perl/AIX, Logistics company, Hamburg, DevOps Engineer**  
**Ansible** - Ansible deployments, Python modules
- Operating systems - AIX, Centos 7
  - Configuration management - Ansible
  - Infrastructure - Jenkins, Nexus
  - Programming languages - Ansible, groovy, jinja2, Python, ksh
  - Version control - Git
  - Projectmanagement - Jira/Kanban
- 04/2017 - 09/2017 **Cloudsetup Rancher/Docker, Cloudprovider, Hamburg, DevOps Engineer**  
**Containerbased Services** - Development of a Cloud Setup Based on Containers with Rancher and Docker
- Operating Systems - Rancher OS, Alpine, Centos, RHEL 7
  - Configuration Management - Ansible
  - Infrastructure - Rancher, Docker, Openshift, Gitlab, Jenkins, Artifactory, Nexus, Vault, Icinga, Openstack, NFS
  - Software - Apache, Nginx, Haproxy, Elasticsearch, Nexus, mysql, Tomcat, Jenkins
  - Programming Languages - Ansible, groovy, jinja2, Python, bash
  - Version Control - Git
- 09/2016 - 03/2017 **Devops - Puppet, Cloudprovider, Hamburg, DevOps Engineer, Software Developer**  
**Puppet Development** - Development and Refactoring of Puppet Manifests
- Operating Systems - RHEL 7, Vagrant/Virtualbox
  - Configuration Management - Puppet
  - Infrastructure - Docker, Gitlab, Satellite, Jenkins, Vagrant, Artifactory, Vault, Nagios, LVM
  - Software - Elastic (ELK: elasticsearch, kibana, logstash, filebeat), Nginx, MongoDB, Nexus, postgresql, mysql, JBoss, Tomcat, Wildfly
  - Programming Languages - Puppet-DSL, Ruby, bash, Perl
  - Version Control - Git
- 06/2016 - 7/2016 **Devops - Ansible, Cloudprovider, Hamburg**  
**Development with Ansible** - Additions and Extensions to a Complex Ansible Setup, Git Based Collaboration
- operating systems - RHEL 7, Vagrant/Virtualbox
  - configuration management - Ansible
  - infrastructure - Docker, Gitlab, Satellite, Jenkins, Vagrant, Artifactory, Vault, Nagios, LVM
  - software - elastic (ELK: elasticsearch, kibana, logstash, filebeat), Nginx, MongoDB, Nexus
  - programming languages - Ansible, Python, jinja2
  - version control - git, git flow

02/2016 - 5/2016 **Puppetmodules and a Ruby Customprovider, Cloudprovider, Hamburg**  
**Development with Puppet** - Several puppet modules and a Custom Provider for yum Packages

- operating systems - RHEL 7, RHEL 6
- configuration management - Puppet, puppet-rspec
- infrastructure - Docker, Gitlab, Red Hat Satellite, Foreman, Jenkins, Vagrant, Artifactory, Nagios, LVM
- software - Postgresql, IPA, ELK (elasticsearch, logstash, kibana, filebeat), mysql (fabric)
- programming languages - Puppet DSL, Ruby
- version control - git
- packaging - yum, rpm, rpm builds

11/2015 - 12/2015 **Autoinstallation RHEL7/Debian, financial services (medical, Hamburg**  
**Automatic Installation of VMs under RHEL7/Debian 8**

- VMware (Esxi, Vsphere)
- VMware Perl SDK
- Perl
- Debian, Red Hat Enterprise Linux 7, SuSE Leap
- cobbler
- kickstart, preseed
- DHCP (ISC, dnsmasq)
- PXE, tftp
- creation of bootimages

10/2015 - 10/2015 **File Synchronization Service, Software company (tourism), Hamburg**  
**Perl Based File Synchronization Service for a Cluster of Servers**

- Perl
- gnu parallel
- Debian
- MySQL
- systemd, init.d

04/2015 - 09/2015 **Javascript Based Editor for the Configuration of Reports , Software company (Tourismus), Hamburg**  
**WYSIWIG Editor for Reports** jquery, npm, bower, browserify, jquery modules

- Javascript - JQuery and several modules
- backbone.js, underscore.js
- bootstrap
- PHP5 REST interface
- mysql DB design and access
- npm
- stylus
- gulp

- 01/2015 - 03/2015 **High Availability Solution** , *software company (tourism)*, Hamburg  
**HA complete solution** HA-Proxy, IPVS, keepalived, MySQL, MariaDB, Galera, Varnish.
- Operating systems - Debian
  - DB - Cluster with MariaDB, Galera
  - PKI for internal communication (CA, certificates)
  - Network configuration - direct Server Response for media data using Varnish
  - Scripting - bash, Perl
- 06/2014 - 12/2014 **Application- and Servermanagement**, *online retailer*, Hanau  
 Support in daily business tasks, application management, preparations for going live, deployments, error analysis, coordination
- Subversion
  - Ant
  - Scripting - bash, Perl
  - Ticketing systems - Cherwell, Track+
  - Operating systems - SuSE Enterprise Linux (SLES 9.3 - 11.2)
  - Software - Java, Tomcat, Java Webshop (Intershop)
  - Database systems - Oracle
  - Webserver - Apache
- 07/2012 - 02/2014 **Application- and Servermanagement**, *online retailer*, Hamburg  
 devops/application manager  
 Installation, configuration und operation of a Java-based webshop (Enfinity)  
 Planning, development and putting into operation of a process management system using Jenkins and appropriate plugins  
 Creation of an automated setup system for deploying different server roles with puppet  
 Development of scripts for error and log file analysis and checks  
 Monitoring, performance analysis  
 Incident and problem management according to ITIL standards
- Application management - analysis and coordination of tasks
  - Continuous integration - Jenkins, plugins
  - Configuration management - Puppet
  - Packet management - RPM, creation of RPM-packets
  - Scripting - Ant, bash, Perl, Groovy
  - Ticketing systems - JIRA, Cherwell
  - Operating systems - SuSE Enterprise Linux (SLES 9.3 - 11.2)
  - Software - Java, Tomcat, Java Webshop (Intershop)
  - Database systems - Oracle
  - Webserver - Apache
  - ITIL processes
- 11/2011 - 06/2012 **Refactoring of a Collection of Perl Programs for Webspaces Administration**, *web hoster*, Karlsruhe  
 Source code analysis, refactoring with OO Perl, test scenarios, testing, performance analysis, changes concerning IPv6
- Programming - OO Perl, Moose, MooseX, unit tests
  - Operating systems - Debian lenny and squeeze, Ubuntu
  - Database systems - Sybase, MySQL
  - Other - git, Debian packaging (debhelper), IPv6



- 09/2011 - 10/2011 **Erstellung von Clientklassen für Zugriffe auf REST-Services in Perl, Webhostinganbieter, Karlsruhe**  
Erstellung von Clientmodulen für Zugriffe auf verschiedene REST-basierte Dienste in Perl.
- Betriebssysteme - Debian lenny und squeeze, Ubuntu
  - Programmierung - OO Perl, Moose, MooseX
  - Datenbanken - Sybase, MySQL
  - sonstiges - git, Debian Paketierung (debhelper), REST, IPv6
- 03/2011 - 05/2011 **Installation und Konfiguration von Javaapplikationen, Rechenzentrum, Gütersloh**  
Aufbau von Webportalen. Kontrolle der Systeminstallation, Installation von JDK und Javaapplikation, Konfiguration.
- Betriebssysteme - Red Hat Enterprise Edition (RHEL), Ubuntu, Linux, Cygwin
  - Software - Java, JDK, glassfish, jBoss, diverse Java Applikationspakete
  - Skripting - bash, Perl
  - Datenbanken - MySQL
  - Webserver - Apache
  - sonstiges - Administrationstools für Deployment und Monitoring (Eigenentwicklungen), Firewalls
- 01/2011 - 02/2011 **Browserbasierter Filemanager, Internetagentur, Hamburg**  
Entwicklung eines per Browser bedienbaren Dateimanagers (PHP, Javascript).
- Betriebssysteme - Ubuntu
  - Programmierung - PHP 5.2, Zend Framework, JQuery 1.4
  - sonstiges - MySQL, LDAP
- 10/2010 - 12/2010 **Konsolidierung einer Mailserverinfrastruktur, Internetagentur, Hamburg**  
Umzug/Neueinrichtung Mailserver: Installation, Konfiguration Mailserver (postfix, courier, zarafa, amavis, spamassassin) und Umzug von einem vorhandenen Zarafaserver; Konzeptionierung der LDAP-Strukturen für integrierte Benutzerverwaltung, Authentifizierung und benutzergesteuerte Präferenzen. Entwicklung eines Webinterfaces für die Setzung von LDAP-Präferenzen.
- Betriebssysteme - Debian Lenny, FreeBSD, Windows 7
  - Skripting - bash, Perl, Synchronisationstool imapsync
  - Mailserver - Postfix, Courier, Zarafa
  - PKI - CA und Zertifikate
  - Protokolle - SMTP, IMAP, MAPI, LDAP
  - Sonstiges - OpenLDAP
- 08/2010 - 09/2010 **Automatisierung Serverinstallation, Softwarehersteller (Tourismus), Hamburg**  
Automatisierung der Einrichtung von Internetservern: Einrichtung eines Applikationsservers mit LAMP; Entwicklung von Automatisierungsskripten; Evaluation cfengine; Entwicklung eines Synchronisationstools auf Basis von inotify
- Betriebssysteme - Debian Lenny, SuSE 10.0
  - Skripting - bash, Perl
  - sonstiges - inotify

12/2009 - 06/2010 **Refactoring, Weiterentwicklung eines webbasierten Bestellportals, Industriekonzerne**, Erlangen

Analyse bestehender Sourcen, Refactoring und Weiterentwicklung einer umfangreichen Codebasis mit zahlreichen Abhängigkeiten unter Verwendung moderner objektorientierter Methoden. Entwicklung und Abstimmung in einer Gruppe von 6 - 8 Entwicklern.

- Betriebssysteme - Red Hat Enterprise Server 5, Windows Vista Pro, XEN, Cygwin
- Perl - objektorientierte Analyse/Design, Moose, Template Toolkit
- Javascript - Javascript, Prototype/Scriptaculous, JQuery, Jslint
- Revision Control Systeme - Subversion, git
- Datenbank - MSSQL
- Apache mod\_perl
- sonstiges - Hudson

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## permanent customers after 2014

11/2013 - 11/2018 **Parallelprojekt: Systemadministration Linux, Entwicklung Backend, Frontend, Webdienstleister**, Augsburg

**Systemadministration** Consulting bezüglich Aufbau und Pflege der Systeme auf denen die Software gehostet wird

**Entwicklung** Weiterentwicklung und Refactoring der Weboberfläche, eines Parsers für Webseiten (PHP) sowie eines perl-basierten Webagenten.

- Linux - Debian
- Webserver - Apache mit PHP5, PEAR
- Programmierung - PHP5, Perl
- sonstiges - Subversion, reverse proxy pound

11/2018 - 11/2019 **Parallelprojekt: Systemadministration Linux, Refactoring eines Webagenten, eigene UG**, Hamburg

**Entwicklung** Refactoring eines Webagenten in Perl mit Javascript, NodeJS, Puppeteer, Tests mit Jasmine.

**Systemadministration** Entwurf einer Architektur für skalierbare nodejs Anwendung.

- Linux - Debian
- Programmierung - Nodejs, Puppeteer, Jasmine
- sonstiges - git

Hamburg, 26. November 2024