# Joost Soeterbroek

I have an extensive background in IT as a UNIX/Linux sysadmin, web application development and DevOps roles. Strong in configuration management automation & orchestration. Red Hat Enterprise Linux Certified Engineer.

## Employment History

2018 - 2020

**Hartekamp Groep**  
***Caregiver for people with mental handicaps***

Working in a care home for people with mental handicaps providing medical and non-medical home care service to elderly/disabled clients. Focused on personal care, companionship, homemaking, health and personal well-being of people with disabilities under our care.

2016 - 2018

**Koninklijke Nederlandse Redding Maatschappij**  
***Database-, Linux System- and Application Administrator***

The KNRM is a search-and-rescue organization at sea. I was a part of the IT team that supported KNRM volunteers out at sea and office personnel. Within this team I was primarily responsible for multiple virtual hosts in Microsoft Azure Cloud; administration, configuration, monitoring and troubleshooting of CentOS Linux OS and LAMP applications.

2012 - 2016

**Proxy BV, UNIX Consultancy**  
***UNIX/Linux systems consultant***

UNIX/Linux systems consultant for two of Proxy’s clients; Rijkswaterstaat (Dutch governmental organization for road- and water infrastructure) and the Dutch Police. For the Dutch Police I worked in a security-sensitive environment of >600 hosts, with a strong focus on system configuration management automation with Puppet.

2011 – 2012

**ONVZ Health Care Insurance**  
***Applications Administrator***

* Java Middleware Applications (Glassfish, Tomcat, ServiceMix, ActiveMQ, Liferay) Development and Production (OTAP) environment for SOA architecture
* Systems Configuration Management automation with Puppet
* Alfresco Document Management

2008 – 2011

**ONVZ Health Care Insurance**  
***Red Hat Linux Systems Administrator***

* Systems Configuration Management automation with CfEngine
* Systems Management and Provisioning with Red Hat Satellite Server
* System Monitoring and troubleshooting
* Hardware maintenance
* Development of remote installation and management tools
* Writing cookbooks on hardware/software implementations
* Implementation and configuration of servers and associated software

2007 – 2008

**Schuberg Philis**  
***Mission Critical Engineer***

Schuberg Philis is a leading provider of mission critical outsourcing services. Focused exclusively on the applications that businesses rely on 24 h/day, guaranteeing 100% up-time. Responsibilities and achievements include building and managing dedicated mission critical application infrastructures, including datacenter hardware for its customers.

2005 - 2007

**Shell Exploration & Production**  
***Linux Project Engineer***

Shell Exploration & Production is engaged in the upstream activities of acquiring, exploring, developing and producing oil and gas, via Ordina Consulting. Responsibilities and achievements:

* Linux custom engineering based on RHEL
* Writing installation and support manuals, processes and procedures
* Development of remote installation and management tools
* Writing cookbooks on hardware/software implementations
* Implementation and configuration of servers and associated software
* Implementation of server client software
* Implementation of Red Hat Network Satellite Server
* Project technical co-ordination

2004 - 2005

**Sun Microsystems**  
***Desktop Solutions Architect (Central- and Northern Europe Region)***

Sun Microsystems Professional Services helps customers with every phase of developing and deploying innovative services. Responsibilities and achievements:

* Mapping customer business requirements to technical desktop solutions and provide technical leadership to the implementation of these solutions in CNE region
* Responsible for the overall design and technical oversight of complex business initiatives in customer consulting engagements

2001-2004

**Sun Microsystems**  
***Technical Consultant Professional Services***

Sun Microsystems Professional Services helps customers with every phase of developing and deploying innovative services. Responsibilities and achievements:

* Primary focus on ‘Edge’ and Grid computing, UNIX systems management and provisioning
* Implementation services for Sun ONE products
* Server migration and consolidation
* Pre-sales activities
* Technical documentation
* Custom engineering, troubleshooting and disaster recovery for Cobalt server appliances

*Note: Joost Soeterbroek joined Sun Microsystems with the acquisition of Cobalt Networks by Sun Microsystems.*

2000-2001

**Snow UNIX Consultancy**  
***UNIX/Linux Consultant***

Snow is a consultancy firm specialized in UNIX and UNIX-applications. Responsibilities and achievements:

PHP programmer at Planet Internet in Amersfoort: \* Maintenance and building of internal CRM web application on LAMP (Linux, Apache, MySQL and PHP) platform \* XML development and documentation

1998-2000

**VNU Publishing Corp.**  
***Webmaster***

VNU Publishing Corp. Internet department (VIPS) was responsible for the technical infrastructure of all of its publications on the Internet. Responsibilities and achievements:

* Technical advice, infrastructure and hands-on support to the ‘site owners’ of a number of VNU online publications within the framework of the Netscape Publishing System and the Open Market IPS Content Management System
* Technical coordination of partnership deals with 3rd party content providers
* Perl programming custom applications and scripts
* Research and documentation

1996-1998

**Media@vantage**  
***HTML programmer***

Media@vantage is a medium-sized bureau, specializing in interactive communications and new media (out of business). Responsibilities and achievements:

* Building and maintenance of websites for customers
* Research and training of new employees

1995-1996

**Planet Internet**  
***Help desk employee***

Planet Internet is one of the biggest Internet Providers in the Netherlands. Responsibilities and achievements:

* Supporting Planet Internet customers on help desk
* Occasional supervision of help desk
* Diverse administrative duties

## Technical Experience

Covid-19 notification app

I have participated in the Dutch Governments’ effort to create a Covid-19 notification app and website:

* Covid-19 notification iOS app
  + Configured CI/CD public build pipeline with Github Actions
  + Python script to allow for binary comparison between ipa files resulting from different build environments
* See: [github.com/minvws/nl-covid19-notification-app-ios/graphs/contributors](https://github.com/minvws/nl-covid19-notification-app-ios/graphs/contributors)
* Covid-19 notification app website
  + Language switch to allow for multiple languages
  + minor contributions
* See: [github.com/minvws/nl-covid19-notification-app-website/graphs/contributors](https://github.com/minvws/nl-covid19-notification-app-website/graphs/contributors)

Open Source

In my spare time I have participated in the Fedora Linux project as a package maintainer ([Fedora Wikipage](https://fedoraproject.org/wiki/JoostSoeterbroek)) for a number of RPM packages. Google search for: *‘Joost Soeterbroek Fedora’*

See also my Github repository at [github.com/jsoeterbroek](https://github.com/jsoeterbroek) for coding examples and project contributions.

DevOps

**Configuration Management & Orchestration Automation** Considerable amount of experience with configuration management automation tooling, workflows and orchestration in production environments with:

* Ansible
* Puppet
* CfEngine

**CI/CD workflows:** Experience with Continuous Integration workflows with Github, GitLab, Jenkins in a DevOps capacity.

Programming Languages

**Python:** Python is my go-to language for scripting and programming in the fields of automation, web development and glueing of systems and services. I use Python Django for web development projects and dashboards.

**Shell-scripting:** Fair amount of experience writing scripts using Bash. Comfortable on UNIX/Linux command-line.

**Web:** Fair amount of PHP experience for web development. I use Python Django and Jekyll for web development projects.

Basic knowledge of general software and programming concepts and software development methodologies and tooling.

Sysadmin

**Red Hat:** Extensive knowledge of Red Hat Enterprise Linux operating system and solutions. I am a Red Hat Certified Professional (RHCE) – Certificate number: **110-264-371**.

[Verify: https://www.redhat.com/rhtapps/certification/verify/?certId=110-264-371](https://www.redhat.com/rhtapps/certification/verify/?certId=110-264-371)

**Monitoring:** Extensive knowledge of systems monitoring with Nagios.

## Non-technical Skills

* Human Languages:
  + Fluent in English and Dutch.
  + Fair knowledge of French, German and written Arabic.
  + Willing and able to learn new languages quickly.
* Personal and medical care for people with mental disabilities:
  + Medication prescription and handling
  + Diabetes Mellitus and Insulin care
  + Personal care and basic hygiene
  + Personal well-being and creative activities
  + Practical use of technology in personal care

## Education

1991 - 1993

**Middle Eastern Languages & Cultures**; University of Groningen (RuG)

Attended University of Groningen (RuG) ‘Middle Eastern Languages & Cultures’ program with a strong emphasis on the Arabic language, culture, literature and history.

* Lived for 6 months in Cairo, Egypt as part of the university program.

1993 - 1994

**Middle Eastern Languages & Cultures**; University of Amsterdam (UvA)

Attended University of Amsterdam (UvA), ‘Middle Eastern Languages & Cultures’ program with a strong emphasis on the Arabic language, culture, literature and history.

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