

# Joost Soeterbroek

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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.

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## Employment History

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| <b>2018 - 2020</b> | <b>Hartekamp Groep</b><br><b><i>Caregiver for people with mental handicaps</i></b><br><br>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.  |
| <b>2016 - 2018</b> | <b>Koninklijke Nederlandse Redding Maatschappij</b><br><b><i>Database-, Linux System- and Application Administrator</i></b><br><br>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. |
| <b>2012 - 2016</b> | <b>Proxy BV, UNIX Consultancy</b><br><b><i>UNIX/Linux systems consultant</i></b><br><br>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.  |
| <b>2011 – 2012</b> | <b>ONVZ Health Care Insurance</b><br><b><i>Applications Administrator</i></b><br><br><ul style="list-style-type: none"><li>• Java Middleware Applications (Glassfish, Tomcat, ServiceMix, ActiveMQ, Liferay) Development and Production (OTAP) environment for SOA architecture</li><li>• Systems Configuration Management automation with Puppet</li><li>• Alfresco Document Management</li></ul>  |
| <b>2008 – 2011</b> | <b>ONVZ Health Care Insurance</b><br><b><i>Red Hat Linux Systems Administrator</i></b><br><br><ul style="list-style-type: none"><li>• Systems Configuration Management automation with CfEngine</li><li>• Systems Management and Provisioning with Red Hat Satellite Server</li><li>• System Monitoring and troubleshooting</li></ul>   |

- 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

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## 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**) 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>

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

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## 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

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## 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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