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**
- 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**

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** 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.

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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