

## Contact

rhaasjes@gmail.com

[www.linkedin.com/in/reinierhaasjes](https://www.linkedin.com/in/reinierhaasjes)  
(LinkedIn)

## Top Skills

Linux System Administration

DevOps

Infrastructure

## Languages

English (Professional Working)

Dutch (Native or Bilingual)

## Certifications

Novell Certified Linux Administrator -  
11

## Publications

Updating a 50 terabyte PostgreSQL  
database

# Reinier Haasjes

Senior DevOps & Infrastructure Engineer | Scalability & Automation  
The Randstad, Netherlands

## Summary

I'm an experienced DevOps and Infrastructure engineer with a strong background in Linux and open-source technologies. My passion lies in ensuring high availability, automation, clusters, virtualization, storage, and networking.

With extensive expertise in PostgreSQL, including large clusters and substantial tables, my primary focus is on enabling scalability and automation in infrastructure. Responsibilities include designing and building load balancers, clusters, and application servers, alongside maintaining databases and central configuration management systems. Proficiency in various system monitoring tools, kernel tuning, and low-level OS optimizations, coupled with programming skills to navigate source code and make minor adjustments, adds to my capabilities.

Beyond my role as a Linux Engineer, I've served as a Team Leader for several years, equipping me with skills in organizational planning, project management, and translating complex business challenges into technical solutions. My ability to communicate these solutions to management and fellow engineers is a key asset.

### Qualifications:

- Over two decades of hands-on years of Linux experience
- Bachelor's degree in Information and Communication Technology
- Certifications in LPIC-1, LPIC-2, LPIC-3, RHCSA, RHCE, and CCNA

### Specialties:

- Proficiency in diverse Linux distributions (Debian, CentOS, Red Hat, Ubuntu) and Linux KVM for virtualization.
- Skilled in programming languages: SQL, Perl, PHP, Python, Bash, facilitating efficient script development.
- Extensive database management knowledge with a focus on PostgreSQL, MySQL, and SQLite.

- Expertise in DNS servers (Bind, PowerDNS), LDAP (OpenLDAP) and mail servers (Exim).
- Mastery of configuration management tools like Puppet, Ansible and Rundeck for streamlined deployment.
- Competency in web server administration, including Apache and Nginx.
- Profound understanding of GitLab for efficient collaboration and CI/CD.
- Skilled in deploying and managing Java applications (Tomcat).
- Proficiency in monitoring tools: Zabbix, Prometheus, and collectd for system health and performance.
- ELK stack (Elasticsearch, Filebeat, Logstash, Kibana) and Grafana expertise for log and data visualization.
- Familiarity with distributed key-value store systems like etcd and identity and access management via Keycloak.

This diverse skill set underscores my comprehensive expertise in Linux systems, scripting, database management, configuration, web services, monitoring, and more. I'm excited to contribute to impactful projects with this knowledge.

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## Experience

### Xiqi IT

DevOps & Infrastructure engineer | Scalability & Automation

August 2022 - Present (1 year 2 months)

Ter Aar, South Holland, Netherlands

Xiqi IT assists you with all your Linux related IT challenges. Specialized in scaling & automating your business processes.

### Husky Intelligent Fridges

Lead Infrastructure Engineer

November 2020 - Present (2 years 11 months)

Projects:

- \* Created containerized deployments for the entire software stack.
- \* Modernized the live platform to a self-hosted architecture with built-in redundancy with automatic failover mechanisms.
- \* Designed and implemented the complete networking, infrastructure and server-room for a newly constructed building.

- \* Relocate the live platform's physical servers while ensuring minimal operational disruption.
- \* Redesign the ELK-stack with focus on redundancy, introducing data streams, Elastic data stream naming, and lifecycle policies.
- \* Revise and enhance Ansible playbooks to improve the robustness.

Skills: GitLab CI/CD, Etcd, Nginx, MQTT, PostgreSQL, PowerDNS, Redis, Influx, Rundeck, ELK-Stack, Zabbix, FreeIPA, Netbox, Keycloak

## easyPGB

Developer & Infrastructure engineer | Co-Founder  
October 2020 - Present (3 years)

Utrecht, Netherlands

easyPGB is een platform dat indicatiestellers en budgethouders in de zorg met elkaar verbindt. Het vereenvoudigt het proces van het vinden van de juiste zorgmatch door deze twee partijen samen te brengen.

Skills: Javascript, Node.js, React, Next.js, NextAuth, Chakra UI, PostgreSQL, Nginx, GitLab CI/CD, Ansible, Docker, Docker-compose

## UNETI Labs

Lead Infrastructure Engineer  
October 2020 - September 2022 (2 years)

During this period, I collaborated with Husky Intelligent Fridges as a contracted professional.

## DroidRobin

Infrastructure Engineer  
November 2020 - November 2021 (1 year 1 month)

Building an intelligent ventilation system that adapts to it's environment and keeps CO2-levels low

## Adyen

Linux & PostgreSQL engineer  
September 2013 - September 2020 (7 years 1 month)

Maintaining, optimizing and expanding the payment platform which processes tens of payments per seconds and located in multiple geographic locations. Beside the global Linux infrastructure role I specialized myself in the PostgreSQL DBA role.

- \* Build, coach and lead the PostgreSQL DBA team
- \* (re)building, optimizing & troubleshooting PostgreSQL database clusters
- \* Standardize & automate Adyen software release cycle
- \* Assist in most (major) incidents
- \* Part of the team that designed and build the monitoring framework (ELK + Grafana)
- \* Migrate multiple database cluster to shared flash storage (with fiber switches)
- \* Design, build & deploy multi-location puppet environment
- \* Build PostgreSQL database clusters dashboard
- \* Flash storage PoC
- \* Process standardization & automation
- \* Educating & coaching other Linux engineers
- \* Capacity planning in an exponential growing environment
- \* Knowledge sharing sessions with Linux engineers and Developers
- \* 24/7 operational duty responsibilities
- \* Develop standardized communication channels

Skills: PostgreSQL, Slony, Puppet, Ansible, Jenkins, Apache, Elasticsearch, Logstash, Kibana, Grafana, Bash, Python, PHP, Subversion, GIT, Nagios/Thruk, Prometheus, collectd, Linux KVM

## Shell

### HPC R&D Engineer

May 2012 - August 2013 (1 year 4 months)

Rijswijk

- Various R&D Projects: (PCIe) SSD, MIC, GPGPU, etc.
- Advice & support customers with optimizing their HPC work(flow)
- Build HPC cluster from various test hardware with different specifications
- Build various report with Analytics/Tableau for capacity management

Skills: Linux, IBM Platform LSF, SSD, GPGPU, MIC, OpenMPI, IntelMPI

## Competa IT

### System Engineer

March 2012 - August 2013 (1 year 6 months)

Rijswijk

Linux system engineer contracted to companies in need of expertise in these areas.

## Debian

## Package Maintainer

December 2009 - November 2012 (3 years)

Debian Package Maintainer of AICCU.

AICCU (Automatic IPv6 Connectivity Client Utility) makes it easy for users to get IPv6 connectivity.

Responsible for maintaining the debian package. This includes, but not limited to, handling bug reports.

Skills: debian packages (deb), dpkg, debconf, debhelper, pbuilder, piuparts, patch, quilt, make, git

## XS News BV

Senior Linux Engineer

December 2011 - February 2012 (3 months)

Schiphol-Rijk

Rebuilding, maintaining and optimizing the Usenet environment

Skills: Debian, Diablo, Usenet/NNTP, Linux-HA/Heartbeat, VLAN, Link aggregation,  
10GE network (optical fiber & copper), Nagios.

## News-Service.com

Senior Linux / Network Engineer and Technical Team leader

February 2010 - December 2011 (1 year 11 months)

Final responsibility for the technical team. Maintaining, optimizing and expanding the Usenet environment consisting of multiple petabytes of storage, 10GE network and multiple 10GE internet connections (both exchanges and transits).

Secondary tasks are project manager, hardware purchase, capacity planning, performance and evaluation interviews, developing and maintaining procedures, holiday and sickness absence handling

Since 2011 member of the management team (MT) and therefore responsible for the policies of News Service.

Skills: Debian, Foundry/Brocade, BGP, OSPF, Diablo, Usenet/NNTP, Linux-HA/Heartbeat, VLAN, Link aggregation, 10GE network (optical fiber & copper), Nagios.

News-Service had to cease its operations by external factors in termination of my employment as a result.

## JVC

### System Engineer

October 2002 - January 2010 (7 years 4 months)

Leiden, South Holland, Netherlands

Linux system engineer, ERP-system engineer, network and system maintenance and troubleshooter.

Secondary tasks are developing, maintenance and problem solving of virtual infrastructure, backup environment, system monitor environment, MacOSX user environment, PABX environment

Skills: Debian, Xen, OpenWRT, VLAN, Link aggregation, OpenVPN, IPSec, UNIMS, SQL, Bacula, Nagios, MacOSX

## Wheelchair Rugby Nederland

### Website Developer

1990 - 2005 (15 years)

Responsible for the developing, maintenance and problem solving of the website [www.quadrugby.nl](http://www.quadrugby.nl) / [www.wheelchairrugby.nl](http://www.wheelchairrugby.nl). Developed the website from scratch.

Skills: PHP, SQL, MySQL, Apache, procmail

## Unix Support Nederland B.V.

### Software Developer (graduate)

2002 - 2002 (less than a year)

Hoofddorp, North Holland, Netherlands

Developing of workhours registration system accessible thru the internet. During this period I processed the phases: analyze, design, building and implementation.

Skills: PHP, SQL, MySQL, Apache

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## Education

### Haagse Hogeschool/TH Rijswijk

Bachelor, Information and Communication Technology · (1998 - 2002)

## Hogeschool Leiden

Propedeuse, Hogere laboratorium opleiding · (1997 - 1998)

## Ashram College

HAVO, Dutch, English, Mathematics, Chemistry, Physics,  
Economics · (1997 - 2002)