Boy C. van Duuren

Developer · System Engineer

The Hague, South Holland, Netherlands

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Education

Academic

Open Universiteit · *The Hague, Netherlands*
BSc. student in Computer Science · *Jan. 2014 - Present*
See courses below

Mondriaan · *The Hague, Netherlands*
Information Technology Administration and Management · *2002 - 2004*

Courses

Functional Programming Principles in Scala · *MOOC*
Coursera - École Polytechnique Fédérale de Lausanne · *2017*

Scheduling Applications with Nomad · *Amsterdam, Netherlands*
HashiConf · *2016*

Principles of Computing Systems · *The Hague, Netherlands*
Open Universiteit · *2016*

Discrete Mathematics A & B · *The Hague, Netherlands*
Open Universiteit · *2016*

Object Oriented Programming in Java I & II · *The Hague, Netherlands*
Open Universiteit · *2014-2015*

Database Systems · *The Hague, Netherlands*
Open Universiteit · *2014*

Skills

Programming Languages	Java, Go, Scala, Python, Javascript, C#, C, Ruby, Bash, PowerShell
Other Languages	SQL variants, Cypher QL, CFEngine, Puppet, LaTeX, Markdown
Cloud Platforms	Amazon Web Services, Google Cloud Platform, IBM Bluemix
Deployment Systems/Configuration Management	Terraform, Nomad, CFEngine, Puppet, Ansible
Database Systems	Neo4j, PostgreSQL, MySQL, MSSQL
Frameworks/Runtimes	Spring, Vert.x, Node.JS
Testing Frameworks and Related Tools	JUnit, JMockit, Mockito, Spring Test
Natural Languages	Dutch, English

Experience

RAAF · *The Hague, Netherlands*
Developer & Infrastructure Specialist · *Nov. 2014 - present*

- At RAAF I mainly worked on our datacenter automation platform; Structure. Structure is an automation system that exposes recognition points and behavior on a datacenter's taxonomy. This in turn makes it possible, among other possibilities, to control your heterogeneous datacenter in a uniform way.
- Several migrations of our version control system. First from Jira/Stash to Gitlab. Later from Gitlab to Github.
- Created a CI pipeline for Structure.
- I was contracted to other companies, see below for descriptions.

Ministry of Internal Affairs - SSC-ICT (as contractor for RAAF)

The Hague, Netherlands

INFRASTRUCTURE- & LINUX SPECIALIST

Apr. 2016 - Aug. 2016

- Ensured baseline compliancy for Linux in the new datacenter.
- Worked towards BIR (security guideline) compliancy for Linux in the new datacenter.
- Linked the Red Hat Satellite inventory to Ansible.
- Helped migration of applications in the old datacenter to the new datacenter.

Quantib (as contractor for RAAF)

Rotterdam, Netherlands

DEVELOPER & INFRASTRUCTURE SPECIALIST

Feb. 2015 - Apr. 2015

- Quantib creates software to process biomedical imaging data of brains. I created a pipeline that ensures the imaging data received over VPN's with several medical institutes was loaded into the imaging platform (XNAT), scheduled for processing, and eventually scheduled. This was done with Python, XNAT Pipeline Engine's API and Quantib's software.
- Deployed a new XNAT server and migrated data of the old XNAT server.
- Implemented a DMZ and rerouted existing VPN connections between Quantib and several medical institutes from the LAN to the DMZ.
- Implemented a Samba 4 domain, reconfigured DHCP and implemented DNS for the office's workstations.

Mendix

Rotterdam, Netherlands

CLOUD OPERATIONS ENGINEER

Feb. 2014 - Nov. 2014

- Advise customers with regards to their infrastructural requirements for running Mendix on-premise.
- Deliver on-premise deployments of Mendix on Linux and Windows for customers.
- Implement infrastructural changes in our own Mendix cloud.
- Developed an SSH key management module for our Puppet deployment.
- Created a POC automated Mendix deployment on Google Cloud.
- Evaluated external penetration test reports.

Het CAK

The Hague, Netherlands

LINUX SYSTEMS ADMINISTRATOR

Jul. 2013 - Feb. 2014

- Implement per-reviewed automation and improvements to the infrastructure using CFEngine.
- Created a Linux/CFEngine development environment with Vagrant.
- Implemented central authentication for Cisco networking machines using a TACACS+ authentication server.
- Did a proof of concept Logstash implementation.
- Setup a frontend environment (Snorby) for the Snort IDS.
- Created a new central update infrastructure for our Red Hat Enterprise Linux machines.

Het CAK

The Hague, Netherlands

SUPPORT ENGINEER

Oct. 2010 - Jun. 2013

- Helped to create first-line support for Linux tickets.
- Initiate restores of (Oracle) backups to Linux machines.
- Verify and solve disk related problems on Linux machines.
- Verify connectivity issues on Linux Machines.
- Delivered desktop support for internal colleagues.

De Beek Automation Support

The Hague, Netherlands

SYSTEMS ADMINISTRATOR

Feb. 2005 - Sept. 2010

- Single point of contact for everything IT related.
- Migrated our NT4 domain to a Windows 2000 domain.
- Managed (Linux, Apache, MySQL, PHP) web servers.
- Managed the Active Directory domain.
- Managed the Linux mail server.
- Managed the Astaro Gateway Linux firewall.