

# Boy C. van Duuren

DEVELOPER · SYSTEM ENGINEER

The Hague, South Holland, Netherlands

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## Education

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### ACADEMIC

#### Open Universiteit

BSC. STUDENT IN COMPUTER SCIENCE

See courses below

*The Hague, Netherlands*

*Jan. 2014 - Present*

#### Mondriaan

INFORMATION TECHNOLOGY ADMINISTRATION AND MANAGEMENT

*The Hague, Netherlands*

*2002 - 2004*

### COURSES

#### Functional Programming Principles in Scala

COURSERA - ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

*MOOC*

*2017*

#### Scheduling Applications with Nomad

HASHICONF

*Amsterdam, Netherlands*

*2016*

#### Principles of Computing Systems

OPEN UNIVERSITEIT

*The Hague, Netherlands*

*2016*

#### Discrete Mathematics A & B

OPEN UNIVERSITEIT

*The Hague, Netherlands*

*2016*

#### Object Oriented Programming in Java I & II

OPEN UNIVERSITEIT

*The Hague, Netherlands*

*2014-2015*

#### Database Systems

OPEN UNIVERSITEIT

*The Hague, Netherlands*

*2014*

## Skills

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#### 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

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### RAAF

DEVELOPER & INFRASTRUCTURE SPECIALIST

*The Hague, Netherlands*

*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 processed. 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.