

# JOS HOUTMAN

Systems engineer / Devops

## PROFILE

Jos has experience in two prominent Dutch companies that have successfully built, grown and maintained their own hardware in co-locations with a high level of automation.

He has worked on the long-term concerns that arise from managing a large infrastructure and prefers to work in ambitious, complex technical environments

## ABOUT ME

Congenial  
Long term thinking  
High level overview  
Getting things done  
Likes to help  
Committed  
Reliable  
Quick study

## CONTACT



+31 6 43549124



jos@houtman.io



github.com/houtmanj



Amsterdam

## EXPERIENCE

### SYSTEM ENGINEERING 13+ YEARS

2005 - Now: Hyves, bol.com

Senior and team lead positions for large websites.

- Various application stacks
- Tooling for automating local development & testing environments
- Zero downtime deployment methods / tooling
- Redesign of TAP environments and migrations

### IT COMMUNITY

2014 - Now: Hogeschool van Amsterdam

External expert for thesis evaluations

Guest speaker

2014: Devopsdays Amsterdam

Speaker: Migrating a large serverpark

## EDUCATION

### UNIVERSITY OF TWENTE

2005- 2008

Master Embedded Systems

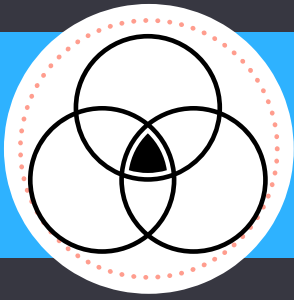
### HOGESCHOOL VAN AMSTERDAM

2002 - 2005

Bachelor Information Technology

## SKILLS

DEVOPS	
LINUX	
PUPPET	
DOCKER	
TERRAFORM	
UNIX SCRIPTING	
GOLANG	
PYTHON	
RUBY	
GOOGLE CLOUD	



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I am a member of de Opleidingsadviesraad, which gives direction to the educational program. Also, I function as an external expert for final examinations. Planning to give a series of lectures in an architecture course.

## Hva

2014 - Now  
External expert  
Guest speaker

## Bol.com

2015 - Now  
Platform Team  
Product owner a.i.  
Systems Engineer

We focus on building infrastructure and tooling that internal teams can use. Our aim is to address foreseeable scaling problems, both organizational and infrastructural and help development create more momentum. This is done by working towards dynamic infrastructure where everything is controlled using API's. This allows us to simplify many parts of provisioning / deployment and scaling, but also IT Control.

**Tech:** golang, docker, consul, puppet 4, terraform, architecture

Bol.com in-sourced its day-to-day operations and infrastructure in Q1 2014.

We designed and rebuilt the whole infrastructure with better tooling, automation and security. One of the goals was a fast rebuild of a single OTAP environment. I was co-responsible for design and implementation. Also, I constructed the plans and tooling for successful migration of our middleware.

**Tech:** puppet, ruby, ftp(s), f5, high availability, proxies, tomcat

## Bol.com

2012 - 2014  
Operations  
Expert Systems  
Engineer

## Hyves

2005 - 2012  
Teamlead  
Systems Engineer

With 20+ million pageviews/hour, Hyves was the biggest dutch website at the time. I joined at the very start and helped it grow from 20 to 2000+ systems divided over three locations. It was fast-paced, highly automated and diverse. A relatively small team of +/- 10 people managed to run operations, capacity planning, design and implementation. We implemented a 2 PB media storage on commodity hardware and a distributed mysql database cluster.

My big takeaway was the value of automation, fault tolerance and iterative design.

**Tech:** puppet, c++, python, mysql, nginx, php, redis, memcache, loadbalancing