










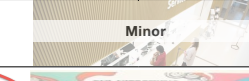

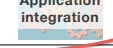

*Bart Barnard*  
**Ruby in higher education,  
or: why we don't use it at the Hanze  
and what we can do about it.**



二零十五年五月二十六日

**Actually, this is not true**

Hanze ICT new curriculum (as of 2015-2016)

1	 Web Programming	 BUSINESS-PLAN IT Service Management	 Design & Build <b>Java</b>	 Data Analyse & Visualisatie
2	 Computer-systemen	 Infrastructuuren	 Software engineering	 Web & Mobile
3	 internship		 Minor	
	 Software architecture	 Application integration	 Graduation	

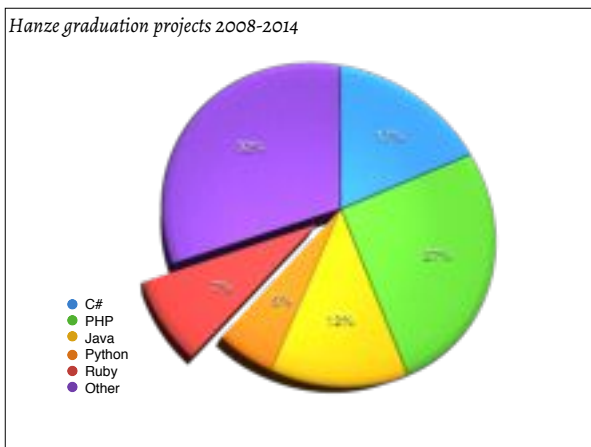
This is our new curriculum. As you see it's mostly Java and Mobile here. Ruby can find a place at the internship, minor or graduation, but than it's outside our control. We could use it at the first semester of the last year.

Techniek	Framework	WTF?	over gelezen	hello world gemaakt	wel eens mee gewerkt	professio neel mee gewerkt	own it	
html < 5 html5 css < 3 css3	lesscss sass stylus							
		Javascript						
			jQuery					
	MooTools							
	Coffeescript							
	NodeJS Jaxer EJScrip RingoJS AppEngineJS							
	Servers	Apache						
		IIS						
php	Yii							
	CodeIgniter							

Which in fact we do. This is an intake-form I use for new students of that semester.

Java	Spring						
	Macow						
	SeerJ						
	WebToolKit						
Ruby	Ruby on Rails						
	Merb						
	Camping						
	Ramazo						
	Sinatra						
Perl	Dancer						
	Mojolicious						
	Catalyst						
Python	Django						
	Zope						
	CherryPY						
	Pyramid						
	Flask						
RIA	Flash						
	Silverlight						

Ruby is one of the languages / frameworks that students can choose from. People must choose a framework that they are not yet familiar with. So RoR is about 1/3, the others being Python/Django and Java/Spring

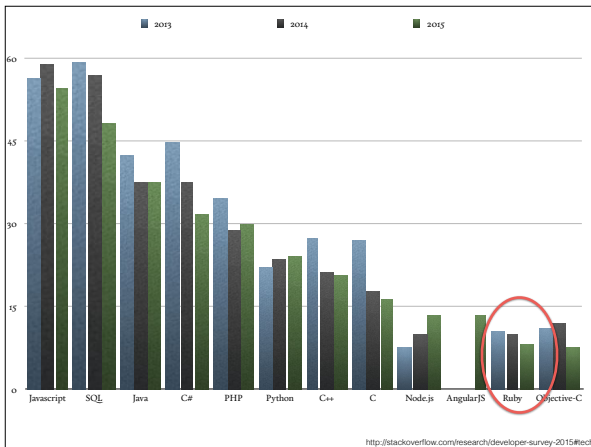


Also at the graduation subjects I have guided during the last six years

Which is quite reasonable, given our work field.



World-wide developments



in **java developer** X Advanced

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**Search** 168,343 results for java developer Save search

Advanced > Show all filters

Search results have been filtered to improve relevance.

**All**

- People
- Jobs
- Companies
- Groups
- Universities
- Posts
- Inbox

**Relationship**

- All
- 1st Connections (8)
- 2nd Connections (98)
- Group Members (8)
- 3rd + Everyone Else (19876)

**Location**

- All
- United States (33996)
- India (28789)
- United Kingdom (10282)
- Canada (8987)
- Ukraine (8987)
- Add

**144 Jobs results for java developer**

- Java developer - Centic
- Senior UX Designer - Amsterdam - Opus Recruitment Solutions
- Senior Java Developer - Benson & Wirth

**Erk Bakker** - Sr. Developer Java / ScrumMaster - Netherlands - Information Technology and Services - 3 shared connections - Similar - Connect

**Only show people in the Computer Software industry?** Filter

in **php developer** X Advanced

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**Search** 86,885 results for php developer Save search

Advanced > Show all filters

Search results have been filtered to improve relevance.

**All**

- People
- Jobs
- Companies
- Groups
- Universities
- Posts
- Inbox

**Relationship**

- All
- 1st Connections (8)
- 2nd Connections (371)
- Group Members (8)
- 3rd + Everyone Else (8889)

**Location**

- All
- India (26034)
- United States (7143)
- Ukraine (898)
- United Kingdom (4088)
- Poland (8987)
- Add

**107 Jobs results for php developer**

- PHP Web Developer - Conny
- PHP Web Developer - The Recruitment Company
- PHP Web Developer - ITP Select

**Duco Wintenberg** - NET developer @ Quinor - Groningen Area, Netherlands - Internet - 18 shared connections - Similar - 8,304 - Message

**Floor Loggman** - Freelance PHP Developer (currently @Hand) - Amersfoort Area, Netherlands - Computer Software - 1 shared connection - Similar - Connect

**Marco Langebeek** - Freelance Web Developer (PHP, MySQL, Zend Framework, HTML5) - Amsterdam Area, Netherlands - Information Technology and Services - 1 shared connection - Similar - Connect

in **cf developer** X Advanced

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**Search** 22,446 results for cf developer Save search

Advanced > Show all filters

Search results have been filtered to improve relevance.

**All**

- People
- Jobs
- Companies
- Groups
- Universities
- Posts
- Inbox

**Relationship**

- All
- 1st Connections (8)
- 2nd Connections (88)
- Group Members (8)
- 3rd + Everyone Else (22381)

**Location**

- All
- United States (3760)
- United Kingdom (2807)
- Ukraine (1412)
- India (1088)
- London, United Kingdom (847)
- Add

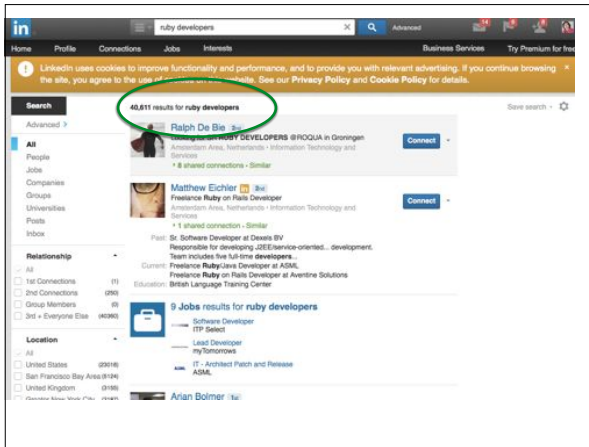
**163 Jobs results for cf developer**

- Senior C++ Developer - Globe DR
- Senior C++ Linux Developer - Utrecht area - Daren Recruitment
- Java/JSP Developer - Amsterdam - Opus Recruitment Solutions

**Marten Van Der Werf** - CF developer at VP Your Partner - Groningen Area, Netherlands - Computer Software - 1 shared connection - Similar - Connect

**Michael Vonck** - NET CF Developer & Scrum master - Groningen Area, Netherlands - Online Media - 14 shared connections - Similar - Connect

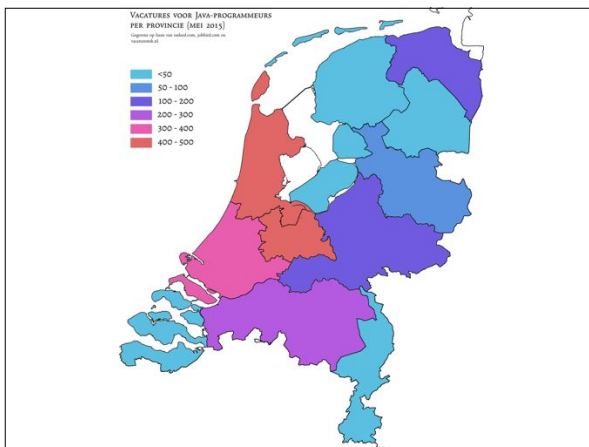
**Lennart Kroes** - Software Developer at Vertimat Consultants - Amsterdam Area, Netherlands - Computer Software - 9 shared connections - Similar - Connect



There are actually *more* ruby-developer than C#-developers mentioned at LinkedIn.

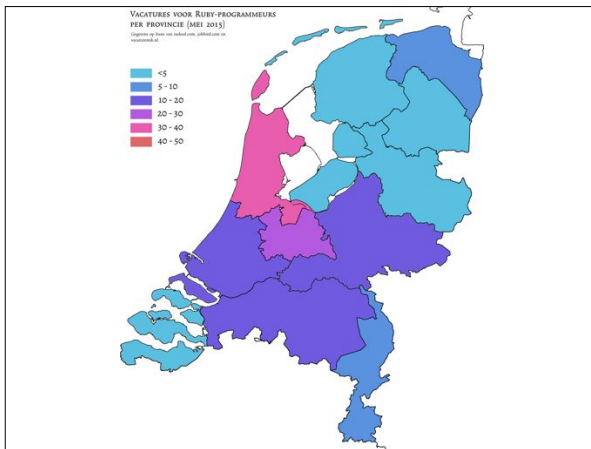
This is of course world-wide. How does this translate in the Dutch situation?

We are, of course, not alone



Java-developers wanted.

from [indeed.com](http://indeed.com), [jobbird.com](http://jobbird.com) and [vacaturestek.nl](http://vacaturestek.nl)



Interesting fact that in Utrecht, NH and Gelderland the want for Ruby-developers is quite large. How does that translate in the higher education there?

Hogeschool van Amsterdam

	Jaar 1		Jaar 2		
	Semester 1	Semester 2	Semester 3	Semester 4	
Project	Fasten Your Seatbelts 12 stp	Project Agile Development 1.1 stp Studenten in Motion 1 stp	Project Enterprise Web-Application 12 stp		
Programming	Object Oriented Programming 1 3 stp	Object Oriented Programming 2 3 stp	Object Oriented Programming 3 3 stp	Datastructures 3 stp Sorting and Searching 3 stp	
Business	3 stp	Databases 3 stp	Infrastructure 3 stp	Databases 2 3 stp	Object Oriented Analysis & design 3 stp
Learning Skills	2 stp	Project Skills 2 stp	Research Skills 2 stp	Communication Skills 2 stp	Job Orientation 2 stp
Essential Skills	Mathematics, Nederlands, English 4 stp		Optional 3 stp	Peer-Assessment 3 stp	

<http://bit.ly/1J1rvjv>

HOGESCHOOL UTRECHT

TICT-V1PROF-12*	Extra wiskunde voor MBO Professional Skills 1 (4+7) Odpocht individueel rapport Odpocht heropdracht	11H 3TH + 3TH	5
TICT-V1ORCI-12*	Organisatie en ICT 1 (BAM-SNE) Tentamen Organisatie en ICT Odpocht Organisatie en ICT's	Tentamen 1 100% Odpocht 0% V	3TH Inleiding ICT, 3TH Aantal gestuurd
TICT-V1DB1-09*	Databases 1 (BAM)	Tentamen 1 100%	2TH + 2TH
TICT-V1PR1-14	Praktijkopdracht Database Inleiding programmeren (BAM, L, SNE, TI)	Practic 0% V	2PR
Vergelijkbare keuzes	Tentamen JAVA Odpocht JAVA & HTML/CSS/JSP	Tentamen 30% Odpocht 50%	2TH 2PR (JAVA & HTML/CSS/JSP) 1TH + 2PR(HTML/CSS/JSP)
Deel 3 (BAM, SNE)	Tentamen Programmeren PSP	Tentamen 20%	2PR
Deel 4 (BAM, SNE)	Odpocht Programmeren PSP & HTML/CSS/JSP	Odpocht 50%	2PR (PSP) & 1TH + 2PR(HTML/CSS/JSP)

<http://bit.ly/1HHPham>

# HAN

- **Software en kwaliteit** (7,5 studiepunten)  
Je beschrijft voor een bestaande situatie de systeemspecificaties (use cases en domein model) en je stelt hiervoor testcases op.
- **Programmeren met Processing** (7,5 studiepunten)  
Je ontwerpt, realiseert en test een computerprogramma met gebruikersinteractie aan de hand van een probleemstelling.
- **Basiskennis databases** (7,5 studiepunten)  
Je maakt en beheert een kleine client-server database applicatie.
- **Embedded software** (7,5 studiepunten)  
Je ontwerpt en maakt embedded software.
- **Webapplicaties bouwen** (7,5 studiepunten)  
Je bouwt een dynamische website en je stelt een voorstel op voor de toepassing van zeer moderne webtechnologie.
- **Objectgeoriënteerd programmeren** (7,5 studiepunten)  
Je ontwerpt, realiseert en test een eenvoudige game in JAVA voor het Android-platform.
- **Portal configuration** (7,5 studiepunten)  
Je ontwikkelt je beroepsvaardigheden door in een projectcontext een dynamische website en bijbehorende beheerapplicatie te realiseren.

<http://bit.ly/1Jf5skt>

## What can we do?

The screenshot shows a web browser window with the URL <http://blog.rubyenrails.nl>. The page title is "Ruby en Rails - van hobby naar werk" by Michiel de Mare. The main content discusses the author's involvement with Ruby on Rails and mentions other authors like Remco van 't Veer and Michiel de Mare. A sidebar on the left contains navigation links for "English", "Colofon", and "Categorieën". A "Time Zones" article is highlighted with a blue circle, showing a code snippet: 

```
>>> Time.now
=> Thu May 28 23:28:137 +0200 2009
>>> 0.seconds.ago
```

The image shows a Facebook page for a community called 'Den Haag, rb drinkup!'. The page has a sidebar on the left with navigation links like 'Group reviews', 'Past Meetups', and 'Our calendar'. The main content area is titled 'Recent Meetups' and lists three events: a 'Den Haag, rb drinkup!' event from November 18, 2014, a 'Ruby meetup @ OGD' from March 12, 2014, and a 'Joint meetup: Rotterdam.rb and Den Haag, rb at fourstack.nl' from October 24, 2013. The 'Den Haag, rb drinkup!' event is circled in red. The 'What's new' section on the right shows recent member activity.



Belangrijkste is mogelijkheid bieden in onderwijs with cool projects → wie is geïnteresseerd in gastdocentschap in 4.1 / 4.2?

Any suggestions...?