

# ir. Bert Raeymaekers

Family / Budgerigar / Pythonista / Volleyball / Tim

*Erps-Kwerps*  
*firstname DOT lastname AT schilduil DOT*  
*org*

° 7 July 1974 in  
Antwerp, Belgium  
Nationality:  
Belgian

[LinkedIn](#)  
[Stackoverflow](#)  
[Twitter](#) [GitHub](#)

That look interesting, let me jump into it.

## Job experience

- **DEC 2020 - MAR 2024 Data Engineer - Evonik Porphyrio**  
Responsibilities:
  - Support, improve and extend the data pipeline for poultry data.
  - Optimize the CI/CD pipeline.
  - Develop a report generating tool.
  - Design and implement a new data platform.
- **SEP 2012 - DEC 2020 Application Engineer - BNP Paribas Asset Management**  
Responsibilities/Projects:
  - Automate installation, configuration and management of different applications with Ansible/Python/TFS GIT/Artifactory/Xymon/Nagios:
  - Ansible Tower: setup design, configuration and management
  - Datahub project (devops) - infrastructuur team (MapR, ScaledRisk/Hbase/Hadoop, ...) and Python ETL pipeline: installation, configuration and documention
  - Kafka management and integration with ELK
  - ELK (Elasticsearch/Logstash/Kibana/Filebeat): installation, configuration and management
  - Wordpress project (devops): installation, configuration and management
  - Several user applications applicaties (Windows/Solaris/Linux): installing, upgrading, documenting, monitor, disaster recovery, provisioning, resource management, ...
  - Subversion server: installation, configuration and management
  - Citrix admin (XenApp 6/7)
  - WebSphere Specialist (IBM WebSphere Application Server)
- **NOV 2006 - AUG 2012 System Specialist - KBC Global Services**  
Automate installations and configurations of web application servers (IBM WebSphere Application Server, Internet Information Services, JBoss EWS, Apache Tomcat, Apache Http Server)
  - Creating frameworks for automatic configuration of the middleware solutions (Python/Jython)
  - Writing and maintaining procedures and documentation
  - Assist several customers with middleware topologies, taking into account things like volume, high availability and disaster recovery
  - Troubleshooting (pre-production and production) with logging and dynaTrace instrumentation
  - Tuning and assisting with performance tests
  - Creating and giving trainings

- Inform the organization of changes and new services
- **FEB 2001 - OCT 2006** Technical consultant for Adeliior Benelux  
Projects:
  - *Latest*  
**NatStar**: Aanvraag Systeem Kredieten
  - *NOV 2004 - SEP 2005*  
**WebSphere Administration** at ING Belgium: WebSphere versions 4.0 and 5.1 clusters on Windows/Solaris/AIX; Automated installation and administration for WebSphere 5.1 using jacl, java code and/or wsadmin. Troubleshooting applications with HeapAnalyser and ThreadAnalyzer.
  - *SEP 2004 - OCT 2004; APR 2004*  
Internal **Java** project: Timeregistration and project follow up application using struts and hibernate. The application runs on WebSphere 5/DB2 under Windows with a testenvironment on Tomcat/MySQL. The development environment was Eclipse and WSAD.
  - *AUG 2004*  
**NatStart** at SNS bank (NL): Adding Account Manager module to the "Bemiddelaars Informatie Systeem" client/server application.
  - *JUN 2004 - JUL 2004*  
**Java** project at Neckermann Shopping (NL): Switching the customer data part of the automatic ordering system (Ecombo) from Oracle (on AIX) to IDMS (using eXadas) on mainframe. The application runs under WebSphere 5 on AIX and uses EJB's to interface with the web frontend.
  - *MAY 2004*  
**NatStart** at SNS bank (NL): Changing the risk model on the "Consumptief Krediet Kantoren" client/server application.
  - *MAR 2001 - MAR 2004*  
Parts II project at Toyota Motor Europe Marketing and Engineering (TMME). Parts II is a Windows/Mainframe/CICS/DB2 written in **NatStar** and cobol for the European stock management and ordering system of spare parts. Started as online (NatStar) developer in the Maintenance team. Gradually became backup for the online build manager. Since December 2001, team leader for the online team responsible for assigning work to the team members, motivating them, making plannings, making technical analyses and guard the quality of the delivered work.
- **JUN 2000 - JAN 2001** Full-time scientific personnel at the Centrum voor Landbouweconomie (CLE) [Center for Agricultural Economics], Belgian ministry of agriculture; *Publication*: "Technische en economische resultaten van de varkenshouderij op bedrijven uit het CLE-boekhoudnet (Boekjaar 1998-1999)" [Technical en economical results of pig keeping on farms from the CLE's accountancy net (year 1998-1999)]
- **NOV 1998 - APR 2000** Part-time (40%) scientific collaborator at the [University Centre of Statistics \(U.C.S.\)](#), K.U.Leuven, Belgium; VESTAC project: Visualization of and Experimentation with STATistical Concepts (Education Council K.U.Leuven); Writing web applets.
- **25 NOV 1999 - 25 DEC 1999** Extra part-time (+40%) scientific collaborator at the [University Centre of Statistics \(U.C.S.\)](#), K.U.Leuven, Belgium; Statistical analyses.

- **2024** O'Reilly: *AWS CDK - Beginner to Pro*
- **2024** O'Reilly: *Scrum Product Owner*
- **2023** O'Reilly: *Interactive Dashboards*
- **2020** Elastic: *Kibana Data and Ops Analyst* course.
- **2020** 365 Data Science: *Advanced Statistical Methods in Python* course.
- **2020** 365 Data Science: *SQL + Tableau* course.
- **2020** 365 Data Science: *Tableau* course.
- **2019** Cloudera: *HBase* training.
- **2018** RedHat: *DO407: Automation with Ansible* course.
- **2018** MongoDB University: *M102: MongoDB for DBAs* ([certificate](#))
- **2018** MongoDB University: *M310: MongoDB Security* ([certificate](#))
- **2018** MongoDB University: *M201: MongoDB Performance* ([certificate](#))
- **2018** MongoDB University: *M103: Basic Cluster Administration* ([certificate](#))
- **2018** MongoDB University: *M001: Mongo Basics* ([certificate](#))
- **2017** LFS151.x: *Introduction to Cloud Infrastructure Technologies* ([edX certificate](#))
- **2017** WEBSECx: *Web Security Fundamentals* ([edX certificate](#))
- **2017** Elastic: *X-pack Machine Learning* presentation.
- **2016** *Getting Started with PowerShell 3.0 Jump Start*
- **2015** DAT203x: *Data Science and Machine Learning Essentials* ([edX certificate](#))
- **2013** *ITIL certified*
- **2011** *dynaTrace certified*
- **2010** *Novell Certified Linux Administrator (CLA)*
- **2008** Certificate from the University of Ghent: *ICT Software & Data processing - Part I: The hardware-software interface*
- **2006** *Linux Professional Institute certified: Junior Level Administration (LPIC-1)*  
[LPI ID: LPI000100756]
- **2005** *BLOSO certified volleyball trainer level C (Volleybal Initiator)*
- **2004** *IBM Certified Associate Developer WebSphere Studio V5.0*
- **1998-2000** *Master of statistics at the [University Centre of Statistics \(U.C.S.\)](#), K.U.Leuven, Belgium; English program; Paper: "Risk factors in Sudden Infant Death Syndrome (SIDS)"; Graduated magna cum laude.*
- **1993-1998** *Master of engineering at the [faculty of agricultural and applied biological sciences](#), K.U.Leuven; Major in stockbreeding, minor cellular and genetic biotechnology; Paper: "Fokstrategieën voor de zeldzame Belgische schapenrassen." [Breeding strategies for the Belgian rare breeds of sheep]; Graduated cum laude.*
- **1986-1993** *ASO mathematics/sciences, Sint-Albertuscollege Haasrode, Heverlee, Belgium*
- **Extra Courses**
  - 2012, *Citrix XenApp*
  - 2004, *Java Components & Frameworks (Log4j, Apache Commons, JSP/Servlet, Struts, Spring, IoC, Hibernate, ...)*
  - 2003, *AUGEO 5: project and resource management*
  - 2002, *Portals Training: Mediapps NetPortal, Weblogic and WebSphere portal*
  - 2002, *Unified Process Fundamentals training*
  - 2002, *Introduction to AdvancedWeb, NetPortal and OpenMarket*
  - 2002, *Introduction to UML*
  - 2001, *Advanced EJB and WebSphere programming at IBM*
  - 2001, *NatStar course at Cognicase Benelux*
  - 1998, *Java course at K.U.Leuven*

### Automate & Document

- The 'desired state' model of Ansible I find a strong principle. Ansible Tower is a nice layer around it taking care of structure and authorizations. Writing playbooks, roles and modules (Python) is satisfying.
- Documenting setups and procedures in different setups: wiki, documents, presentations, ... for handover to myself, colleagues, an offshore team or consumers of our assets.
- Automizing installations: from a simple single script to automate the boring stuff to an entire framework.
- Creating pipelines for deployment package creation.
- Pytest is a very well thought out testing framework, not only for Python.
- Building monitoring scripts: is it up?, will the certificate expire soon?, is it healthy?, is it responsive?, unusual behaviour?, ...
- Spreading knowledge by giving presentations and courses.
- Raspberry Pi projects for monitoring the environment (light, dust, ...), backups and monitoring.
- Automatic backups of documents from Windows/Linux/macOS end user machines.
- Experimenting with infrastructure as code with vagrant on virtual machines or on the cloud (DigitalOcean).

### Technology Environments

- AWS automation: from Terraform/Terragrunt to CDK.
- CI/CD with Jenkins.
- Atlassian Jira
- Xymon lightweight monitoring.
- Install&Conf: Elasticsearch / Logstash / Kibana stack with X-pack with authentication on AD.
- Raspberry Pi
- Install&Conf: Subversion with authentication on AD.
- Multitier application: Windows - CICS - Mainframe - DB2 (NatStar)
- Multitier application: Windows - TP - Windows - Sybase (NatStar)
- Backend application: EJB - WebSphere - Oracle/IDMS (java)
- Web sites & web applications
  - using static site generators
  - using Bootstrap
  - using plain html/javascript
  - using php and MySQL
  - using JSP/Servlets/Struts/Hibernate/MySQL/DB2

### Programming Languages & Development Tools

- BI tools: Tableau, Power BI, Superset

- Orchestration tools: Airflow, Dagster
- Python(3) programmeren/scripten (SQLAlchemy, PonyORM, pymongo, Airflow, Dagster, ...) met Pip(x)/Poetry, Pytest en coverage, Pylint/Ruff, Black, Mypy, ...
- Databases: sqlite, Postgresql, MySQL/MariaDB, MS SQL, DB2
- Java (POJO,
- Python (3) programming/scripting (shelve, sqlite, PonyORM, pymongo, http server, tkinter, Xymon, ...) with Pytest and coverage, jython
- Java (POJO, JEE, Hibernate)
- Perl
- PHP
- NCL (NatStar/NatWeb)
- Visual Basic, GWBasic
- Basic C
- Shell scripting (ksh, bash, dos)
- (Turbo) Pascal
- HTML, JavaScript
- Versioning systems: git, CVS, Subversion, ClearCase, NSACconfig

## Languages

- Dutch as native language
- Excellent in English
- Very good in understanding written and spoken French, moderate in writing, good in speaking
- Good in understanding written and spoken German, far less in writing and speaking

## Hobbies & Interests

- Volleyball player; Until season 2004/2005 trainer of the amateur team CME. Season 2007-2010 trainer of the ladies recreational team of Vollek.
- Until 2004 football (soccer) player at VK Heuvel-lo
- Since 1992 active in the JeKa. JeKa is aimed at the youth (age 12-18) of the local community.
- Was an active member of Verzetje, the pastoral youth team of the federation Herent.
- Participant and collaborator at Tentenkamp from 1999 until 2006.
- Member of the Belgian Budgerigar Club ([Belgische Grasparkieten Club](#)).
- Member of the Belgian Foundation Living Heritage ([Steunpunt Levend Erfgoed](#)).

