Stephan J. Preeker
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Education

University of Amsterdam   2001-2010
- BSc Artificial Intelligence   2007
  MSc Software Engineering   2010

Coenceoop College
- VWO Diploma, 2001

Work History

- **Consultant / Contractor / R&D**   2011 - 2015

  Koole is an international storage company providing logistics solutions. Handling the entire logistics chain for its customers, the company has major storage facilities for edible oils sited strategically at five locations. My task was to automate the pumping and storage process as much a possible and providing a consistent way for operators to work on all the different industrial installations. I helped in the transition from an all manual process to an automated one.

  - Created a concept control system to automate the the entire process of pumping oils. The main goals where 1) To give insight in the entire transport process. 2) Make the process more reliable and predictable 3) Make it possible operations can be planned for 4) fully automate the pumping process if possible
  - Created a realtime webinterface controlling industrial installations written in python.
      Wrote an 10Kloc emberjs userfriendly realtime webinterface
      Wrote an 20Kloc realtime python application to catch all business logic.
  - Analyzed existing software and debug problems
      Oracle / plsql / siemens DCS systems
  - PLC environments, siemens sigmatic s7.
  - Creator of python-snap7. An opensource libary to communicate with siemens PLC's it is used worldwide.

- **Freelance developer**   2009
  www.derdekamer.net, www.petities.nl   Amsterdam

  - Developer of python webapplications.
  - Developed voting/recommender game. Opensource.
  - Developed Rest api's.
  - i18n (internationalisation) source code of petities.nl (ruby)

- **Freelance Developer / Startup**   2008
  www.l1nda.nl   Amsterdam

  - Developer of the python backend of L1nda.nl. Created the first working version of L1nda and this comany still runs successfully today.

- L1nda is a digital manager for hospitality industry personal. L1nda does personel planning and keeps track of hours worked.
- Software audits of previous failing software.

- **Developper** 2007
  The Health Agency Rotterdam

  - Python developer
  - (EPD) Electronisch patienten dossier coupling with our Database
  - Perfomed Software audit, the audit was for me the reason to start my software engineering masters.

- **Sales - Technical service** 2002 - 2005
  Benelux Computer Exchange Amsterdam

  - Sales of Laptops, Printers and Monitors on technology fairs.
  - Technical Service, building configuring and testing of PC's and servers.

- **System administrator** 2001 - 2006
  Autoschadebedrijf Preeker Oostzaan

  - Als system administrator responsible for calculation and billing software

- **Randstad Uitzendbureau** 1997 - 2001
  Diverse small jobs.

Skills

Ervaring: Fluent in Python (10 years), worked with: Java, Ruby, PHP, Prolog, SQL, LATEX, Regular Expressions, Javascript, Jquery, , Emberjs, ZMQ, HTML5, XML, CSS, XHTML, XSLT, Packet Filtering, C. Elektronisch patiënten dossier(EPD 2008), Expert systems, Wxpython, Django, Rails, Master thesis in Domain Specific Language design(DSLs)

Industrial Process automation vanaf 2011: OPC, OPC-UA, WinCC, Simatic step7, PLC, Oracle, S7, python-snap7

Operating Systems: I prefer Linux(Ubuntu)

Algoritms: Markov Chain, Reinforcement Learning and other of machine learning algoritms. Familiair with datamining techniques.

Other activities

Sport In 2005 I ran the Marathon of Amsterdam, in 2006 the marathon van Rotterdam and The Great Wall Run marathon on the Chinese wall.

VIA Treasurer at the studygroup of my Faculty the VIA. 2007-2008

Apps for Amsterdam 2011 Winner with energie label app.

Benelux Algorithm contest s 8th place with two other(25 teams)

Robocup Junior referee of robot soccer high school teams.

ProjectEuler.net solved 85 of 329 puzzels (10-10-2011)

extra subjects Followed some Interdisciplinaire courses: Big history, Big fututue / toekomst in het groot, conflictstudies, the dark side of democracy.