Emiel Pierre Harm Suilen - 21 January 1983

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Education

Master of Science, High Performance Distributed Computing
Vrije Universiteit Amsterdam, January 2013
Thesis: 100 vertices: 8.5/10
Project to describe distribution of graphs with 100 vertices, using grid computers and mathematical analysis.

Bachelor of Science, Informatica
Vrije Universiteit Amsterdam, September 2010
Thesis: Statespace of Small World Networks: 9/10.
Project to draw a map of graphs with 100 vertices and 300 edges.

CERTIFICATION

ISTQB, Certified Tester Foundation Level
Scrum, Certified ScrumMaster (July 2016 - July 2020)

PUBLICATIONS

F. Braam, M. Moes, E. Suilen, D. vd Berg, S. Bhulai: Almost Squares in Almost Squares: solving the final instance, *IARIA: DATA ANALYTICS 2016*

COMPUTER SKILLS

Languages & Software : Git, PHP5.6, Perl, Python, NodeJS, Bash/SH, C, C++
DevOps: Docker, Splunk, Apache, Nagios, Jenkins
Testing: jest, Nightwatch, JMeter, Apache Benchmark, Swagger, Postman, TDD
Databases: MySQL, Mongo, Redis, Apache Cassandra,
Operating Systems: Fedora 8-27, CentOS 5-6, Unix Red Hat, Debian Lenny-Jessie

EXPERIENCE

QA-engineer, CICD-engineer   February 2017 - december 2018
GfK, Amstelveen
- Automating the QA run for back-end, frontend tests in Jenkins on AWS
- Setting up automatic front-end tests using Nightwatch, Cucumber, WDIO
- Improving the use of CI/CD in the team, by improving processes and code-pipelines in AWS
- Setup automatic tests, promotion of versions and automatic deployments in AWS environment
- Setup automatic testing including code coverage for React, Python, NodeJS
- Using Fastlane and Jenkins to automate the testing and release of Android and iOS applications.

Backend-engineer   September 2014 - January 2017
GfK, Amstelveen
- Hyper8 column based storage system
- Setting up import and export to Mongo of Survey results
- Leading migration of PHP 5.3 to PHP 5.6
- Refactoring old PHP codebase

Grading student projects   2014-2016
External, University of Amsterdam
- Grading student projects on the UvA on the Heuristics course
- Grading presentations, papers, python code used to analyze 'big' problems.

Systems Programmer   September 2012 - Augustus 2014
Combird BV, Beverwijk
- Scalable facturation-system, using RESTful architecture, with pregenerated reports in Cassandra Backend. Deployable through Puppet, testable with integration tests.
- Refactor User Portal, with emphasis on safety of the backend and automatic patching through Puppet
- Develop support solutions using Nagios, Puppet and custom backup framework.
- Through Iperity, develop for the Compass telephone exchange, in use by SpeakUp.

Systeem Programmer   June 2011 - Augustus 2012
pLAN 8 BV, Hoofddorp
- Maintain and improve backup mechanisms.
- Develop and maintain Mijnrooster API.
- Research possibilities of Facebooks HPHP

Grid Programmer   December 2011 - February 2012
As volunteer cooperate with bachelor project at the de Vrije Universiteit Amsterdam.
- Design the framework to operate a solver on 500 clustered instances
- Found the first solutions for the Almost-Squares n=34 problem.
- Article Almost Squares in Almost Squares: solving the final instance

Portal Programmer   September 2010 - June 2011
Combird BV, Beverwijk
- Develop Syrinx portal, offering webinterface to Asterisk VOIP platform.
- Develop custom Nagios reporting system.

Parser Programmer   February - April 2010
SiArb BV, Amsterdam
- Develop parser of large datasets for stockexchange environment.

ICT ondersteuning   July 2008 - December 2009
Centrum Wiskunde en Informatica, Amsterdam
- Support Linux systems in Dutch Mathematics and Computer Science institute.

PHP Programmer   Intermediate 2007 - 2010
Gong intermediate office
- Change layout photobook site, setup new content management systems
- Bugfix code for webgames
- Develop social media website to integrate sport teams.

HOBBIES   Swimming, Kendo, reading, cooking, computer games, travelling, 20th century history, Lego, Star Wars

LANGUAGES   Dutch (native speaker)
English (advanced)
German (average)
Croatian (beginner)
Russian (beginner)