Benjamin MEZGER

PERSONAL DATA

NATIONALITY:	German & Dutch | 23 March 1994
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WORK EXPERIENCE

Current
MAY 2017

DevOps & Researcher at NATIONAL EDUCATION AND RESEARCH NETWORK (RNP), Florianópolis
Intern at GT-AMPTo (Multi-Factor Authentication for Everyone)

Developing a solution for multi-factor authentication that can be used on the CAFe federation besides allowing the transposition of such authentication through the physical Internet.

Current
APR 2017

DevOps at NATIONAL EDUCATION AND RESEARCH NETWORK (RNP), Florianópolis
Volunteering Work for GidLab (Support for researchers on Identify Provider)

Researchers need virtual machines to do their research and my job is to provide an fully automated environment where a researcher can create a configurable environment that runs an SHIBBOLETH IDP, SP and LDAP.

Current
APR 2016

Web Crawling Researcher at 4VISION LAB, Florianópolis
Personal Data Web Crawler

Research different ways on how crawl user data through the Web by using face & pattern recognition.

Current
DEC 2015

Backend Python Dev & DevOps at UNITED ACADEMICS, Amsterdam
Open Access Library

Provide a fully functional architecture, with a full continuous integration with the system. We use Django as a Web Framework, MongoDB as our database and DOCKER for containerizing our software.

Jun 2016
DEC 2015

Researcher & AngularJS Developer at 4VISION LAB, Florianópolis
Smart Industrial Environment

Providing a Smart Industrial Environment with the Web of Things and Cloud Computing. We worked with a Beaglebone black which runs a Smart Gateway written in C++ and Java, the control panel interface was written in AngularJS

Jan 2016
AUG 2015

Researcher & C/C++ Developer at 4VISION LAB, Florianópolis
3D Cloth Flattening

Researching different cloth flattening algorithms using OpenGL and C++

May 2015
AUG 2014

Backend Python & C developer at BYNE, Florianópolis
WaspBee & Twisted developer

Developing communication, monitoring and control Software for critical systems. We used Twisted and ZeroMQ

Nov 2013 Jun 2012	Backend Python & Perl developer at Imgzine, Amsterdam *Web Crawler developer* Writing smart Web crawlers and HTML parsers for gathering relevant news. The software estimates the time of change of a specific news page, so each time a website has a new article we are able to parse it and analyse relevant data.
Mar 2011 Sept 2010	Backend Ruby on Rails developer at Yuru.nl, Amsterdam *Base system* A short period job where I helped my professor writting the backend of Yuru.nl

Education

Current	Bachelor of Science in Computer Science, **University of Vale do Itajaí**, Florianópolis
July 2013	Technical degree in Informatics, **ROC van Amsterdam**, Amsterdam
July 2013	Voluntering student in Computer Science, **Vrije Universiteit van Amsterdam (VU)**, Amsterdam
July 2011	Middelbare School – HAVO/VWO, **Nova College**, Amsterdam

Publications and Certificates

Jun. 2016	Providing a Smart Industrial Environment with the Web of Things and Cloud Computing, 2016, *IEEE International Conference on Services Computing (SCC)*

Languages

English:	Mother-tongue
Dutch:	Mother-tongue
German:	Advanced
Portuguese:	Advanced
Spanish	Basic

Skills

Programming Languages:	C/C++, Python, Ruby, Assembly, Java, Bash/ZSH, AngularJS, Javascript, Erlang and LaTeX
Databases:	MongoDB, MySQL and PostgreSQL
Operating Systems:	Linux (Archlinux, Debian, Gentoo, UNIX, MS Windows XP, Vista, 7, 10 and OSX
Applications:	HopperApp, Radare2, Strace, SysDig, GDB, OpenOffice and MS Office
Miscellaneous:	Vim, Emacs, Docker, Vagrant and Ansible, HTML and CSS

INTERESTS AND ACTIVITIES

Musical: Playing Guitar
Computer: Interested in online privacy and surveillance, Kernel attacks, secure systems and cryptography
Other: Politics, reading, culture, traveling and photography