Benjamin William Mezger

PERSONAL DATA

Nationality:	German/Dutch/Brazilian
Address:	Rua Conselheiro Mafra, Florianópolis, SC, Brazil
Phone:	+55 48 99916-9270
Blog:	https://seds.nl
Email:	me@benmezger.nl
Github:	https://github.com/benmezger
Last updated:	November 18, 2020

ABOUT ME

I am a driven individual highly motivated in writing well designed software and helping the team grow together. I have a good experience with refactoring large code bases, handling hard deadlines, following software's best practises and learning new technologies. I have a strong experience in cultural adaptability from working and living in different countries. In my undergraduate, I wrote an academic micro-kernel for the RISCV architecture with POSIX support for my thesis, which gave me good background in operating systems, and low level programming.

EDUCATION

Jul 2020 **University of Vale do Itajai (UNIVALI)**

Bachelor of Computer Science.

Jul 2013 **ROC Van Amsterdam**

Technical degree of Information technology.

WORK EXPERIENCE

Oct 2018
Current
Software Engineer at Cheesecake Labs, Florianópolis

– Creating AWS cloud infrastructure for web applications with Terraform

– Implement well designed RESTful APIs built with Python, Django, Django Rest Framework, PostgreSQL running on AWS infrastructure and Heroku

– Internal contributions on development processes

– Developed and maintained a large Django e-commerce with various integration, with a complex business logic, well tested, running on a large AWS Elastic Beanstalk infrastructure

Dec 2015
Oct 2018
Software Engineer at United Academic, Amsterdam (remote)

– Contributed to the development of an open-access library, built with Django, MongoDB and a large infrastructure self-hosted at DigitalOcean

– Migrated a large non-containerized architecture to a containerized web application with Docker, Travis, and Ansible

– Automated build processes, testes, and deployments

– Managing and maintaining a large database of diverse file-types and user data

– Worked with a fully remote team

May 2017 Apr 2018	**Academic researcher at National Education and Research Network (RNP), Florianópolis** – Implementation of a multi-factor authentication system for the CAFé federation – Transposition through such authentication through a mobile application system – Configuration of service providers (SP), LDAP protocols and Shibboleth Identity providers (LDP) – Containerized all services and protocols for mass deployments
Apr 2016 Jul 2017	**Academic researcher (PROBIC) at 4Vision Lab, Florianópolis** – Research on handling mass people data and pattern recognition through image processing – Wrote a web crawler with Pipl.com and Facebook Graph integration for facial pattern recognition
Dec 2015 Jun 2016	**Academic researcher (PROBIC) at 4Vision Lab, Florianópolis** – Provided a smart industrial environment for the Web of Things (WoF) – Developed a lightweight Angular/C++ application running on a single Beaglebone board – Wrote a smart-gateway in C++ for controlling textile clothing machines – Automated deployments and added continuous integration
Aug 2015 Jan 2016	**Academic researcher (PIBIC) at 4Vision Lab, Florianópolis** – Research and wrote algorithms on cloth flattening with OpenGL and C++
Aug 2014 May 2015	**Developer at Byne , Florianópolis** – Contributed to the development of communication, monitoring, and control software for critical airport systems – Worked mainly with ZeroMQ and Twisted protocol systems – Wrote custom Linux boot configuration
Jun 2012 Nov 2013	**Developer at Imgzine, Amsterdam** – Wrote complex web-crawling for news parsing – Wrote algorithms on detecting the average time a page gets updated – Rewrote outdated Perl crawlers to Python – Wrote a diff viewer in Flask for viewing updated page changes

LANGUAGES

English	Advanced
Dutch	Advanced
Portuguese	Advanced

TECHNICAL SKILLS

Programming Languages	Python, C/C++, Go, Assembly, Java and Javascript, Latex
Databases:	PostgreSQL, MySQL, SQlite, MongoDB and CouchDB
Operating Systems	Linux (Archlinux, Gentoo, Debian), FreeBSD and Mac OSX
Editor	Emacs and Vim
Tools	Vagrant, Docker, Ansible, Kubernetes, Terraform
Services	Amazon AWS, Heroku, DigitalOcean, Scaleway, Jira, Github, Gitlab
Project Management	Kanban, Scrum, Agile development, etc.

Volunteering experience

Mar 2020
Apr 2020

Software Engineer at Federal University of Santa Catarina (UFSC), Florianópolis

COVID-19 app is a project supported by the Federal University of Florianópolis (UFSC) which controls and prevents the propagation of the COVID-19 pandemic through nearby Bluetooth and GPS. It allows doctors to control and create a rule-based system for managing sick patients.

Oct 2019
Jan 2020

Lead Software Engineer at Nohs Somos, Florianópolis

Nohs Somos provides a social-cause platform for the LGBTQI+ community. They can rate and report local commercial places that are safe or not for the community. It provides features such as a panic button, real-time GPS location sharing, and place reviews.

– Built well designed API with Django, Django Rest Framework and PostgreSQL running on Heroku

– Created Nohs Somos development process for future developers

– Worked on a fully remote team

Apr 2017
Jun 2017

Developer at National Education and Research Network (GidLab), Florianópolis

RNP's researchers required virtual machines to do their research by spawning these machines automatically when required.

– Provide a fully automated environment where a researcher can create a configurable environment that runs Shibboleth IdP, SP and LDAP

– Auto destroy unused VMs

– Develop and automatic pane which communicates with VirtualVM's backend API

Publications and presentations

Apr 2020
Media (TV)

Balanço Geral Florianópolis, local news

How does the COVID-19 develop by volunteers at the Federal University of Santa Catarina (UFSC) may help prevent COVID-19 propagation in Florianópolis. Video Available in Youtube

Oct 2017
Journal

International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)

Providing a cloud-based smart meter solution to control and monitor electrical quantities of industrial machines.

Mar 2017
Presenta-tion

Mozilla's Campus Club at the University of Vale do Itajaí

A beginner's introduction to Git and Github.

Jun 2016
Journal

IEEE International Conference on Services Computing (SCC)

Providing a Smart Industrial Environment with the Web of Things and Cloud Computing.