

Benjamin William Mezger

Personal Data

Nationality:	German/Dutch/Brazilian
Address:	Rua Vida Ramos, Florianópolis, SC, Brazil
Phone:	+55 48 99916-9270
Blog:	https://seds.nl
Email:	me@benmezger.nl
Github:	https://github.com/benmezger
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About Me

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

Education

Nov 2020 Current	University of Vale do Itajai (UNIVALI) Master of Applied Computing in the field of computer architecture and operating systems for real-time embedded aerospace systems.
Jul 2020	University of Vale do Itajai (UNIVALI) Bachelor of Science: Computer Science Thesis title: A microkernel for the RISC-V Instruction Set Architecture

Work experience

Mar 2020 Current	Teaching internship at the University of Vale do Itajaí, Florianópolis <ul style="list-style-type: none">– Technical application for a class of Bachelor of Computer Engineering students, covering processes and threads, including IPC, semaphores and mutexes.
Oct 2018 Current	Software Engineer at Cheesecake Labs, Florianópolis <ul style="list-style-type: none">– Creating AWS cloud infrastructure for web applications and queue based systems– Implementation of well designed RESTful HTTP APIs– Contributed to internal processes and tool development– Developed and maintained multiple large-projects, from micro to monolithic services, with a variety of programming languages

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

Oct 2018

- 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

Languages

English	Advanced
Dutch	Advanced
Portuguese	Advanced
German	Basic
Spanish	Basic

Technical skills

Programming Languages	Python, C/C++, Go, Assembly, Java, Javascript, Bash and 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.