

Benjamin William Mezger

Short version

Personal Data

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| Nationality: | German/Dutch/Brazilian |
| Address: | Florianópolis, SC, Brazil |
| Phone: | +55 48 99916-9270 |
| Blog: | https://seds.nl |
| Email: | me@benmezger.nl |
| Github: | https://github.com/benmezger |
| Last updated: | July 24, 2021 |

About Me

I am a driven individual highly motivated in writing well-designed software and helping the team grow together. I have strong experience refactoring large codebases, handling hard deadlines, following software's best practices, and learning new technologies. In addition, I have a strong background in cultural adaptability from working and living in different countries and remote and office experience. I pursue a Bachelor in Computer Science, and I expect to graduate with my master's degree by the end of 2022.

Education

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| Nov 2020 <i>Current</i> | 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

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|----------------------------|--|
| Jul 2021 <i>Current</i> | Software Engineer at Nook.io, Lisbon (remote) |
| Mar 2021 Jul 2021 | Teaching internship at the University of Vale do Itajaí, Florianópolis <ul style="list-style-type: none">– Taught and applied Operating System synchronization algorithms in a Bachelor of Computer Engineering class, which resulted in students implementing and presenting synchronization techniques and algorithms.– Taught Operating System design and implementation in a computer engineering class, which resulted in students implementing different components of a pre-defined operating system. |
| Oct 2018 Jun 2021 | Software Engineer at Cheesecake Labs, Florianópolis <ul style="list-style-type: none">– Created a variety of AWS cloud infrastructure for web application and queue-based systems, which resulted in scalable and maintainable architectures.– Wrote monolithic well designed RESTful HTTP APIs with Django, Django Rest Framework (DRF), and PostgreSQL, which resulted in APIs with high throughput and highly scalable throughout its lifetime. |

- Contributed to the company's internal process by developing a Jira Git commit hook, automatically adding the card's information to the commit body and moving the card according to its status.
- I refactored vital legacy monolithic projects by inserting multiple software patterns to create a service-based architecture, which resulted in the separation of the API layer and business logic layer.
- Participated and contributed to team chapters and meetings by providing valuable technical information and updates, generating a sizeable dynamic project boilerplate with custom preconfigured settings.
- Worked end-to-end with the quality assurance team, which resulted in a further valuable and bug-free product.

Dec 2015
Oct 2018

Software Engineer at United Academic, Amsterdam (remote)

- Contributed to developing an open-access library, written with Django, MongoDB, and a self-hosted infrastructure at DigitalOcean, achieving a well scalable architecture with a high database throughput.
- Migrated a significant set of non-containerized architecture to a containerized with Docker, Travis, and Ansible, resulting in a more straightforward and maintainable deployment system.
- Worked with a fully remote team in different countries, having to adapt methodologies to synchronize upcoming sprint tasks.

Languages

| <i>Languages</i> | <i>Proficiency</i> |
|------------------|--------------------|
| English | Bilingual |
| Dutch | Bilingual |
| Portuguese | Bilingual |
| German | Elementary |
| Spanish | Elementary |

Technical skills

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|-----------------------|---|
| Programming Languages | Rust, 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 |
| Tools | Vagrant, Docker, Ansible, Terraform, Git |
| Services | Amazon AWS, Heroku, DigitalOcean, Scaleway, Jira, Github, Gitlab |
| Project Management | Kanban, Scrum, Agile development, etc. |