

Santiago García

📍 Bremen ✉️ santiago.garcia@posteo.de ☎️ 01522 2400678 🌐 santiagogarcia.de
🐙 [sgarcialaguna](https://github.com/sgarcialaguna)

Experience

(Senior) Software Engineer, MeVis Medical Solutions – Bremen, Germany Dec 2007 – July 2025

Selected Projects

conrad [↗](#) 2013 – 2025

The interactive learning platform for radiologists, serving over 50,000 users

- Tech Lead since 2020
- Led several technology migrations, including from jQuery/Bootstrap to React/Material UI, from Subversion/Jenkins to Git/Gitlab and from JavaScript to Typescript
- Introduced the use of Terraform
- Implemented a full-text search backed by Elasticsearch
- Optimized critical Django DB queries by orders of magnitude through prefetching, annotations and aggregations
- Implemented a custom load balancing and scaling solution for backend render servers to handle variable user loads
- Developed a client-side DICOM file anonymization feature
- Contributed to the migration from deployment shell scripts to the use of Ansible and Docker

MeVis Varex Licensing [↗](#) 2022 – 2025

A unified platform to manage licenses across over 30 MeVis products

MeVis Distant Services web portal [↗](#) 2023 – 2025

MDS supports medical professionals in surgical planning for liver procedures by providing interactive 3D anatomical models.

License Generator 2022 – 2025

A C++ application to generate and validate licenses for multiple MeVis products.

Other 2007 – 2013

Maintained a range of C++ and Qt-based desktop applications for medical image processing and visualization

Skills

Programming Languages and Frameworks: Over a decade of experience with Python, Django, JavaScript/Typescript, React, HTML and CSS. Over five years experience in C++

DevOps & Cloud: Git, GitLab CI, Docker, Ansible, Terraform, AWS, HAProxy

Languages: English (fluent), German (native/bilingual), Spanish (native/bilingual)

IDEs: PyCharm, VSCode, Visual Studio, Neovim

Education

M. Sc. Hochschule Darmstadt, Computer Science – Darmstadt, Germany Sept 2005 – May 2007

B. Sc. Hochschule Darmstadt, Computer Science – Darmstadt, Germany Apr 2002 – July 2005