

# Curriculum Vitae: Jan Willhaus

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## Work Experience

from 01/2019 (current)	Software Engineer at <b>iNNOVO Cloud GmbH</b> , Berlin, Germany <b>Software Development</b> of in-house services and software tools, written in Python. Architecture, development, and operations of a scalable cloud-native billing data collection application for the company, running on <b>Kubernetes</b> and deployed following the GitOps principle. Implementation and maintenance of <b>Continuous Integration/Delivery (CI/CD)</b> pipelines for builds/containerization, linting and code quality assurance, and deployment via GitLab CI.
09/2014 – 12/2018	Research Associate at <b>Jade University of applied sciences</b> , Oldenburg, Germany <b>Software Development</b> of in-house services for students and staff, mostly web-based and written in Python, including responsibilities for deployment and maintenance. <b>Technical Support</b> for students regarding software and implementation troubleshooting with curriculum assignments. <b>Trainer for Git</b> , teaching students and staff. Deployment and Maintenance of the university-wide GitLab server.
11/2013 – 08/2014	Student Assistant at <b>Fraunhofer Institute for Digital Media Technology IDMT</b> , Oldenburg, Germany Implementation of signal processing tools for encrypted networked audio transmission in C and C++.
10/2011 – 08/2014	Student Assistant at <b>Jade University of applied sciences</b> , Oldenburg, Germany Implementation of audio signal processing algorithms and visualization tools in MATLAB and Python. Transitioning new and existing tools, and workflows to Git version control. Participation in signal processing research group.

## Skills

	Autodidact, and a fast and eager learner Enjoys working in an Agile/Scrum environment
Programming Languages	Proficient (daily use): Python, Bash/Shell Experienced: HTML, CSS/SASS Past use: MATLAB, C/C++ Curiosity (basic knowledge): Go (Golang), SQL/Postgres, JavaScript (Vue.js)
Containers & Orchestration	Docker, Docker-compose, container build pipelines (e.g. in GitLab CI) Design, implementation, and operations of Kubernetes-based cloud-native applications
Observability	Prometheus, Alertmanager, Grafana, Elastic-Stack (ELK/EFK)
Collaboration	Agile Methodology, Scrum, Kanban; tools such as Slack, Jira, Confluence
Version Control	Git, GitLab including CI/CD, development workflow automation Branching models such as Git-flow, GitHub Flow, and GitLab Flow
Miscellaneous	Django, Django REST Framework, Flask, Apache Kafka, Redis
Operating Systems	Apple macOS, Linux (Ubuntu/Debian, CentOS), Microsoft Windows
Editing, Office	Visual Studio Code, Vim, LaTeX, Microsoft Office Suite, LibreOffice
Spoken Languages	Fluent: English Mothertongue: German

## Education

08/2014	<b>Bachelor of Engineering in Auditory Technology and Audiology</b> Jade University of applied sciences, Oldenburg, Germany Personal emphasis on signal processing and programming 1.79 (ECTS Grade C)
07/2010	<b>Allgemeine Hochschulreife (university entrance exam)</b> , Integrierte Gesamtschule Wilhelmshaven, Germany. 2.7

## Interests and Activities

Technology, Programming, Home Automation  
Photography, Cycling, Running