

# Nils Klawitter

## Curriculum Vitae

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\* 17.11.1992

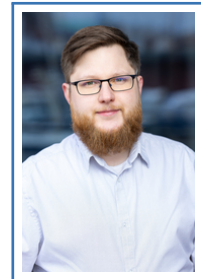
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### Main Area of Expertise

- Application security and DevSecOps
- Secure software development life cycle (SSDLC)
- Security and cryptographic concepts
- Cryptographic engineering, PKI, and cryptographic protocols

### IT-Security Expertise

Standards/  
Techniques BSI-Standard 200 + Grundschatz, BSI technical guidelines, ISO27001, OWASP, NIST 800-218, OWASP (M)ASVS + SAMM, CWE & CVS, CWSS, CVSS, Common Criteria

Secure SDLC Risk Assessments, Threat Modeling (STRIDE), Code Audits, Penetration Testing, SAST, DAST, Dependency Scanning, Container Security, Secure Deployment, Threat Monitoring, Incident Response Management

Solutions OWASP ZAP, SonarQube, Synk, Checkmarx, Veracode, GitLab CI/CD

Skills DevSecOps, AppSec, Cryptography, Cryptographic Protocols, Security and Cryptographic Concepts, Data Privacy, IoT and Embedded Systems, Cloud Security

### Programming Languages, Frameworks, Tools, & Misc.

Languages Rust, Java, Python, C, Bash

IDEs/Editors IntelliJ, Eclipse, Visual Studio, VS Code

CI/CD Travis CI, Jenkins, GitLab, GitHub, Ansible

Build Maven, Gradle, Cargo

Container Docker, Podman, Kubernetes

Cloud Microsoft Azure, AWS

OS Windows, Linux

Text/Office Microsoft Office, LibreOffice, Kile/TeXstudio

### Languages

German Mother tongue

English Business fluent

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## Work Experience

- 04/2020 – **Research Assistant**, *Technical University of Applied Sciences Lübeck*, Full-time  
Today Research assistant with focus on IT Security for the Department of Electrical Engineering and Computer Science.
- Set-up and supervision of a laboratory for secure hardware and software development
  - Teaching in the field of cryptography, secure software development, and IT Security
  - Research and support of the professors for IT security
- 01/2019 – **Application Security Engineer**, *cbb software GmbH*, Lübeck, Full-time  
03/2020 Security Engineer with focus on security concepts (threat modeling), secure software development process, software architecture, automated security testing, and project management.
- Establishment of the team for IT security in software development
  - Project management and planning in the area of security-relevant system development
  - Evaluation and introduction of a DevSecOps process and tools
  - External consulting and assessment of system/software architectures with regard to IT security
- 03/2017 – **Software Developer / Security Engineer**, *cbb software GmbH*, Lübeck, Part-time  
12/2018 Software development with a focus on IT security, architecture, and testing

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## Education

- 10/2015 – **Master of Science in Computer Science**, *Application Subject: IT Security and Reliability*, University of Lübeck  
12/2018
- 10/2012 – **Bachelor of Science in Computer Science**, *Application Subject: IT Security and Reliability*, University of Lübeck  
11/2015

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## Theses

### Master thesis

Title *Confidential Data Storage on an IoT-oriented Distributed Ledger*  
Supervisor Prof. Dr.-Ing. Thomas Eisenbarth

### Bachelor thesis

Title *Secure Multiparty Computations on Bitcoin*  
Supervisor Prof. Dr. Maciej Liśkiewicz