

# CURRICULUM VITAE

## MARTEN GARTNER

Senior Network Architect / Go & Distributed Systems / Ph.D. Candidate

### PROFESSIONAL EXPERIENCE

- 01/2021 - 06/2026      Otto von Guericke University, Magdeburg  
Lead Researcher (Senior Network Architect)  
Multipath routing and Zero-Trust network architectures (Go). High-speed network protocols and kernel-level packet processing capabilities (Go, C, eBPF/XDP). Large-scale network emulations and containerized environments (Docker, Kubernetes) alongside advanced network simulations (Python). Served as Lead Architect and Core Developer for "SCIERA," a global backbone research network.
- 02/2018 - 01/2022      Independent Contractor  
Freelance Software Architect & Full-Stack Developer  
Engineered robust backend systems (Node.js, Go, PHP) and dynamic frontends (React, Angular). Managed microservice deployments and container orchestration. Spearheaded the migration of legacy monolithic systems into modern, scalable cloud architectures
- 06/2012 - 08/2018      COSYS Ident GmbH  
Software Engineer (Mobile Apps & Backend Services)  
Developed enterprise-grade mobile applications and backend architectures (.NET/C#, Xamarin, Java, JS/TS). (Note: Included full-time apprenticeship and part-time work during undergraduate studies).

### ACADEMIC BACKGROUND

- 01/2021 - 06/2026      Otto von Guericke University, Magdeburg  
Ph.D. Candidate in Computer Science  
Dissertation officially submitted on March 23, 2026.
- 01/2022 - 12/2025      Ph.D. Research Scholarship of the state Saxony-Anhalt  
Awarded a highly competitive state grant for outstanding academic research.
- 06/2019 - 12/2020      Master of Science in Computer Science,  
Otto von Guericke University, Magdeburg  
*Graduated with High Distinction (German equivalent: 1.3)*
- 09/2015 - 06/2019      Bachelor of Science in Computer Science,  
Otto von Guericke University, Magdeburg  
*Graduated with Distinction (German equivalent: 1.8)*

**Marten Gartner**

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