

# Carsten Knoblich

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## Lead Mobile Developer & Software Architect with 10+ years experience

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Experienced software architect and mobile developer with a proven track record in delivering high-quality iOS applications and cloud solutions for enterprise clients. Expertise spans the entire software development lifecycle with particular focus on secure mobile development, AWS architecture, and DevOps practices. Strong leadership capabilities with experience mentoring teams and establishing best practices across organizations.

## Core Competencies

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- Mobile Development: iOS native development (Swift, Objective-C, UIKit, SwiftUI)
- Cloud & Infrastructure: AWS architecture, Azure, microservices, containerization
- Security: Mobile app security, OWASP MASVS, Compliance (ISO 27001, GDPR, BSI Grundschutz)
- Process & Automation: CI/CD pipelines, DevOps, Fastlane, Jenkins, Github Actions
- Leadership: Team management, technical interviews, cross-functional collaboration
- Languages: German (native speaker), English (fluent), Spanish (basic)

## Certifications

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- CompTIA CSAP: CompTIA Security+ (2025) & CompTIA CySA+ (2025)
- IT Security Representative with TÜV Rheinland Certified Qualification (2025)
- ISC2 Certified in Cybersecurity (2024)
- AWS Certified Solutions Architect – Associate (2016 & 2024)

## Professional Experience

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- Freelance Software Architect & Mobile Developer** 09/2017 – present
- Designed analytics SDK for RTL Technologies. Implemented cross-platform solutions for tracking and user engagement
  - Lead developer for German Corona-related applications (CWA and CovPass)
  - Developed apps and defined architecture for various companies in the german banking sector (e.g. DKB and Klarna)
  - Multiple contracts for DHL to develop and secure mobile applications for the 'Packstation' app.
- Senior Consultant; permanent; EY (Ernst & Young GmbH), Berlin/Freiburg** 01/2018 – 08/2018
- Enabling teams for mobile prototype develop- & deployment; requirements analysis
  - Frequent knowledge transfer with external teams and partners across the organization
  - Architecture requirements assessment & interface design between corporate backends and SAP HANA
- Lead Developer; permanent; Two Bulls GmbH, Berlin/Melbourne/New York** 09/2015 – 10/2016
- Technical/Architectural lead for the german chapter for German and Australian customers in the fields of Education, Social Media, IoT and more
  - Requirements analysis with customers in New York, Melbourne and Berlin
  - Candidate assessment for internal developers and an external clients in New York, Melbourne and Berlin
- Permanent Positions; Hannover, Hamburg, Berlin** 05/2011 – 08/2015
- Held progressive leadership roles in mobile development across various industries.

## Military Service

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Sergeant (OR-5), Paratrooper; Communications Specialist; Bundeswehr, Oldenburg 07/2000 – 06/2004

## Education

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University of Hildesheim, BSc. in Informationsmanagement und -technologie 07/2004 – 09/2009

- **Coursework:** Machine Learning, Computer Aided Learning, Business Administration

## Private Projects

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Exoplanet Explorer Apple AppStore

- iOS application to explore NASA's exoplanet database with 4.6-star rating
- custom backend implemented with Python & Docker

Hack the box 03/2024 - present

- Regularly participate in CTFs and training sessions

## Skills – a selection

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**Languages:** Swift, Python, Objective-C, Java, C, SQL

**Cloud and DevOps:** AWS, Docker, Kubernetes, Jenkins, Fastlane

**Operating Systems:** macOS, Linux (various distributions)

**Methodologies & Frameworks:** Scrum, Kanban, SAFe, Lean, DevOps