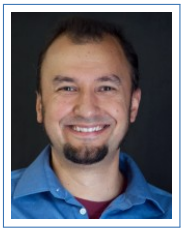
Christian Grümme

Ciriculum vitae

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Personal details

born December 28, 1981 in Herne/Westphalia

Married, Children

Professional Experience

11/2011–today **Freelance/Temporary employment agency work (ANÜ)**
Software development, IT consultant, server administration, data migration,
Lecturer for IT topics
Until 09/2018 in part time
For further information see section *Freelance IT projects*

10/2015–09/2018 **Senior Software Engineer/Scrum Master** *at ESCRIBA AG (former Partake AG)*
Senior Java Full-Stack-Engineer for *Escriba* in an international team
Java-EE development in a SAP environment, Scrum, Arch42, Jenkins, ODF Toolkit, Hibernate, JBoss/Wildfly

10/2009–12/2015 **Lead Software developer/Research employee** *at innoCampus (former Zentrum für Multimedia in Lehre und Forschung (MuLF)) at TU Berlin*
Full-Stack developer for Java EE web applications (DevOps) with management responsibilities
Giving classes
For further information see section *Projects at TU Berlin*

10/2005–09/2009 **Tutor with teaching duties** *of mathematics and computer science at FU Berlin*
Care of lectures, self-employed drafting of sample solutions
Correction and evaluation of exercise sheets
Supervision of students, temporary replacement of teachers

01/2005–12/2005 **Free Promoter** *iriver Europe GmbH*, in all of Germany
Independent Promotion of audio / video players, support of exhibition stand (CeBit 2005/IFA 2005)

Academic Education

10/2002–08/2008 **Diploma (Master) in computer science** *at Freie Universität Berlin*
Focus: Distributed systems, web technologies, practical computer science
Diploma thesis: Massive Multiplayer First Person Shooter as Peer–to–Peer game
Feasibility study for the realization of highly dynamic networks as P2P based on Quake 3, development was in Java, C and SVG
Grade: *2,0*

04/2002–03/2011 **Bachelor Mathematics** *at Freie Universität Berlin*
Focus: Numerical mathematics, discrete mathematics, differential equations
Bachelor thesis: Numerical coupling of the shallow water equations with the Richards equation
Numerical coupling of the shallow water equations with the Richards equation, development in C ++ with the DUNE framework
Grade: *2,2*

02/2006–08/2006 **Semester abroad** *Universidad Autónoma de Madrid*, at *Escuela Politécnica Superior*
Focus: Compiler and web technologies

Education, National service

07/2001–03/2002 **Military service** *Luftwaffenmaterialkommando (at German Air Force)*, Köln-Wahn
Headquarters service soldier: Statistics with Excel and VBA programming

20.06.2001 **High-school diploma** *Ricarda-Huch-Schule*, Hagen/Westphalia, Grade: *1,7*

Freelance IT projects (Selection)

Since 04/2025 **Senior Software Engineer (ANÜ) for PoPP and EuroVision** *at Gematik mbH*
Java development for *Proof of Patient Presence (PoPP)* and *National Contact Point for eHealth (NCPeH)* in the healthcare sector, interface management, Scrum, Spring Boot, REST, WebSockets, Corretto, JPA, X.509 electronic certificates, MyHealth@EU, e-prescription, Tiger, cryptographic tokens, TI 2.0, eGK, connector, mentoring, testing

03/2024–04/2025 **Team Lead Software Engineer** *at Wisercat/German Federal Ministry of Education*
Development and conception of a Germany-wide educational platform in the field of digital certificates, Spring Boot, KeyCloak, X.509, Interface Management, Scrum, Quarkus, D-Trust Sign-me, REST, React, TypeScript, Docker, Kubernetes, PostgreSQL, Testing

09/2023–12/2023 **Senior Software Engineer** *at CompuGroup Medical*
Migration of a Doctor's Offices Management Platform from custom company framework to Red Hat Quarkus, Interface management, Scrum, Quarkus, Java EE, Corretto, REST, Angular, JPA, Tomcat, Docker, Kubernetes, PostgreSQL, Testing

01/2022–06/2023 **Senior Software Engineer (ANÜ) for DEMIS** *at Gematik mbH/RKI*
Java development for *Electronic reporting and information system for COVID-19* in the health sector, Migration from Java 8 to Java 17, Interface management, Adoptium Eclipse Temurin, Scrum, Spring Boot, JavaScript, REST, Angular, JPA, X.509, FHIR, Hapi-FHIR, Tomcat, Docker, Podman, Kubernetes, PDF-Box, Testing

2022/2023 **Development of a Corona-Cronic-Platform** *at Leopoldina*
Design and implementing a for visualisation of publications
Java, Spring Boot, Docker, JavaScript, Bootstrap, d3.js, PostgreSQL

2022 **Development of a Near Field Communication Android App**
Java, Android, Near Field Communication, Mifare classic

Since 06/2021 **Java-Lecturer for *Fakultät 73* at VW**
Java, JavaFX, Spring Boot, Maven, REST, Azure

08/2020—09/2021 **Senior Software Engineer (ANÜ) for KIM** *at Gematik mbH*
Java development for *communication in medicine (KIM/TIM)* in the health sector, Interface management, Scrum, Spring Boot, Thunderbird, POP3, IMAP, REST, Corretto, JPA, electronic certificates X.509, mentoring, Testing

04/2020–08/2022 **Microservice plattform for investment banking** *at Elinvar GmbH*
Java, Spring, Spring Boot, Corretto, Interface management, Apache Kafka, Kubernetes, AWS, Docker, React JS, Gitlab-CI, Testing

10/2018–03/2020 **Senior Software Engineer (ANÜ)** *at Gematik mbH*
Full-Stack developer for Java applications in the health sector (eHealthCA), Migration from Java 8 to Java 11, OpenJDK, Interface management, Scrum, Spring Boot, jQuery, JAX-RS, JPA, electronic certificates X.509, public key infrastructure, mentoring, agile couch, Testing

2013–2017 **Platform for media data in the food industry**
Java, JAX-WS (Apache Metro), Tomcat, MySQL/MariaDB, Apache Cayenne, Spring Security, ImageMagick

2016 **Ondemand CSV parser trough REST interface**
Java, Java Stream API, Spring, Spring Boot, Apache Jackson

2016 **REST API for querying data with cache**
Java, Spring, Spring Boot, Spring Data

2015 **Design and implementation of a PDF Converter**
Tomcat, Java, Pdfbox

2014–2015 **Server migration and switch to Docker**
Ubuntu, Docker, IPTables, SSL, Cron, Git, Tomcat, MySQL/MariaDB, Perl, Bash

2014–2015 **Design and implementation of a quality filters for image uploads**
Java, Tomcat, MySQL/MariaDB, JSP, Struts, Apache Cayenne, Apache Imaging

2014 **Automatic deploy system (continuous delivery system)**
Ubuntu, Tomcat, Git, Perl, Bash

2013–2014 **Analysis and migration of media files (PostScript)**
ImageMagick, Perl, Bash

2013–2015 **Concept and implementation of a SOAP web service**
Java, JAX-WS (Apache Metro), Tomcat, MySQL/MariaDB, Apache Cayenne, Spring Security

2013 **Concurrent HTTP server by RFC 2616**
C, POSIX-Threads, Linux libraries

2013 **Chrome Browser Plugin for website manipulation**
Chrome, JavaScript, jQuery

2013 **Case study on students exercise sheets**
HTML, JavaScript, jQuery, Angular JS, CSS

Projects at TU Berlin

2009–2017 **Moseskonto** *Campus Management System for solving university ressource problems*, Software architect and developer
Glassfish, PostgreSQL, JAVA EE, JPA, JSF/Primefaces, Maven, Nexus

2012–2022 **Elektronische Projektanzeige (ePA)** *Management process "research project report": Designing and developing*, Lead developer
Glassfish, MS-SQL, JAVA EE, JPA, JAX-WS (SOAP), JSF/Primefaces, Maven, Nexus, Testing

2012–2015 **Modultransfersystem (MTS)** *Platform for the maintenance and release of the study modules and study programms*, Project lead, design and development management
Glassfish, PostgreSQL, JAVA EE, JPA, JSF/Primefaces, Maven, Nexus

2012–2015 **Student Lifecycle Management (SLM)** *Introduction of a campus management solution at TU Berlin*, Project lead for data migration and general co-worker
Data migration from HIS POS and Moseskonto into SAP SLcM

2010 bis 2014 **uniCAM** *Lecture recordings*, development and operational management
FFmpeg, Perl, BASH, HTML, Flash

2010 bis 2011 **eTUB** *Management process for implementing an electronic exam registration*, Lead developer
Glassfish, Informix, JAVA EE, JPA, JSF/ICEFaces, Ant

Languages

German *native*

English *near native/fluent*, used for publications, work, teaching, private sphere

Spanish *Good command*, semester abroad

Dutch *Good command*, two courses at university, regulary vacation in the Nederlands

IT skills

Programming languages
Expert knowledge: Java, C/C++, Spring Boot, LaTeX, SQL, Bash, HTML
Working knowledge: Perl, XML, JavaScript/jQuery
Basic knowledge: C#, CSS, TypeScript, Matlab, OpenGL, Pascal, Prolog, VBA

Java EE
Expert knowledge: JPA, EJB, JSF, Primefaces, JAX-WS (SOAP), Servlet, JUnit, Mockito
Working knowledge: JAX-RS (REST), CDI, JSP

Databases
Expert knowledge: PostgreSQL, MySQL/MariaDB
Basic knowledge: MS-SQL, H2, IBM Informix, Apache Derby, SQL-Lite

Administration
Expert knowledge: Debian, Ubuntu, Arch Linux

Application server
Expert knowledge: Oracle Glassfish, Apache Tomcat

Development tools
Expert knowledge: Git, Maven, Nexus, Jenkins, Netbeans, Docker
Working knowledge: SVN, Ant, Vim
Basic knowledge: Eclipse, Gdb, Kubernetes, Kafka

Certifications

2021 iSAQB® Certified Professional for Software Architecture – Foundation Level

2018 Professional Scrum Master Level I (PSM I) from Scrum.org

Bernau bei Berlin, October 22, 2026