



Nicolas Torchalla

CV

*Computer science is just as little about computers as
astronomy is about telescopes.*

Personal information

birthday **21. March 1988**, *Frankfurt am Main*
marital status **married**
driver's license **Class B**, *02.05.2007*

Education

School

1999-2002 **High School**, *Otto-Hahn-Schule*, Frankfurt am Main
2002-2008 **High School**, *Ziehenschule*, Frankfurt am Main
05/2008 **High School Diploma**, *Ziehenschule*, Frankfurt am Main

Academic Education

WS 2008 **Computer Science**, *Goethe-University*, Frankfurt am Main
06/2012 **Bachelor of Science**, *Computer Science*, Johann Wolfgang Goethe-University
WS 2012 **Computer Science**, *Goethe-University*, Frankfurt am Main, Master
Master's thesis still pending.

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Professional background

- 2009-2013 **Developer & technical contact**, *Intruseo*, Frankfurt am Main
Familiarization with SEO & SEA. Implementation of websites for customers based on WordPress as well as technical contact for SEO-related questions. Implementation of drawer projects.
- 2009-2013 **Tutor for Programming I & II**, *Johann Wolfgang Goethe-University*, Frankfurt am Main
Giving the tutorials for the Programming I & II lectures, alternating every six months.
- Teaching and practicing lecture contents;
 - Haskell;
 - evaluation orders;
 - Python;
 - object oriented programming;
 - Compiler implementation basics;
 - Correction of the exercises;
 - Correction of the final exam;
- 2013 - 2018 **Independent Webdeveloper**, *Intruseo*, Hagen
Only sporadic support on an independent basis due to Intruseo moving to Hagen.
- 2013 **PHP Developer**, *mengler.karn GmbH*, Groß-Zimmern
Development of websites based on WordPress while studying.
- Website for online processing of repair requests for mobile phones with WordPress;
 - World Business Dialog website:
 - Forms for applications to participate;
 - Each essay is evaluated by two employees in the backend;
 - Based on the evaluation and dynamically adjustable ratings for university and work experience, an automatic choice is made among the applicants.
- 2014 **Web developer, project manager, founding member**, *GFC Europe PLC*, Frankfurt am Main
Founding the private equity company GFC Europe PLC together with acquaintances. Creating software solutions for startups in exchange for equity.
- Representation of the "Network Division";
 - Advising portfolio companies on websites and software;
 - Planning and transfer of orders for print media and CI of the portfolio companies;
 - Implementation of the planned websites;
 - Coupon-Website;
 - company representations;
 - Assistance in founding "GFC Bank & Trust"
 - Research of technical requirements such as bridge software;
 - Familiarization with a client's Fourier-Transformation-based autotrader;
- 2015 **Lead developer & support of trainees**, *Brainfruit GmbH*
Gave notice due to repeated late payment of salary.
- implementation of websites:
 - 24Invite, Invitation management tool for PSA (Peugot, Citroen) as native C# .Net MVC application;
 - Support for problems with a marketing tool for Phillips based on C# ;
 - Extension of crowdfunding platform for real estate based on Typo3.
 - Supervision of the trainees
 - Introduction to WordPress;
 - Project planning and help with difficult problems;

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2016 - 2018 **C# .Net expert & supervision of trainees**, *byte5 digital media GmbH*

Expert for the development of systems based on the CMS Umbraco with C# .Net and AngularJS.

- Implementation of customer projects based on C# .Net:
 - Webcrawler for Scout-Schulranzen;
 - Repository with several deployment levels accessible via API for AKDB;
 - Webpage with connection to SAP system for LEW with Umbraco;
 - dynamic satchel configurator for Scout Umbraco website;
- Supervision of a retrainee and an apprentice;
 - weekly presentation to the team;
 - implementation of the company website;
 - Final project: Automatic export of our time management into an accounting system;
- Giving the training courses for Umbraco licensing in rotation with my boss;

2018 - 2022 **Software Engineer**, *Continental Teves AG & Co. oHG*

Continuous Integration

- Public Build Status;
 - Status monitors in all departments with detailed information on relevant projects;
 - recreation of website from the scratch and continuous expansion;
 - based on PHP and Java Spark Web API
 - webpage for remote management of Raspis with Angular
- Flightboard:
 - First point of contact for detailed information on builds;
 - Existing website based on AngularJS;
 - New development based on Angular5 with the requirement of much larger amounts of data to manage;
 - continuous updates up to Angular 10;
 - Use of material design;
 - since the beginning of 2020 support from India
- Pacs Copy-Merge:
 - Parameterization of brakes;
 - Viewing the parameter sets;
 - New development to replace a desktop app;
 - since release further developed in India under my supervision;
- Microservices:
 - Supporting the extension of microservices based around Jenkins with Java and Groovy

2022 - today **Software Engineer**, *Société Générale*

Extending a system for managing and creating derivatives.

- Implementation of the software "Flow Basket Instruments" with C# .Net:
 - complex statemachines with subworkflows;
 - porting SOAP based legacy interfaces;
 - Interaction with internal microservices via REST-APIs;
 - Improving existing and creating new processors for repeating tasks;
- Collecting and passing on knowledge:
 - Creating a list of important expertises;
 - Learning these from external team members;
 - Passing on this knowledge to new team members after the externals have left;
- active role when solving production issues

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Language Skills

English	fluent	<i>work experience</i>
French	basic	<i>school, 6 years</i>
Hindi	basic	<i>private lessons</i>

Programming Languages

imperative

C# .Net	expert	<i>work experience</i>
PHP	expert	<i>work experience</i>
Python	good	<i>university</i>
Matlab	good	<i>university</i>
C	gut	<i>university</i>
Pascal	good	<i>school</i>
Visual Basic	good	<i>school</i>

functional

Haskell	very good	<i>university</i>
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web languages

HTML	expert	<i>work experience</i>
CSS, SCSS	expert	<i>work experience</i>
Javascript & Typescript	expert	<i>work experience</i>

databases

SQL	expert	<i>work experience</i>
Transact-SQL	very good	<i>work experience</i>

Software

editors	Visual Studio (Code), Eclipse, IntelliJ, WebStorm
database management	SQL Server Management Studio, phpMyAdmin
graphic editing	Photoshop
version control	Git, Github, Gitlab, SVN
project management	Jira
miscellaneous	Word, Excel, Outlook

Certifications

Umbraco	Fundamentals	<i>Byte5, lecture given</i>
Umbraco	Umbraco MVC and Visual Studio	<i>Byte5, lecture given</i>
Umbraco	Extending the Backoffice	<i>Byte5</i>
Umbraco	Application Integration	<i>Byte5</i>
Angular	Front-End Web UI Frameworks and Tools	<i>The Hong Kong University of Science and Technologie</i>
Data Science	What is Data Science?	<i>IBM</i>
Python	Programming for Everybody (Getting Started with Python)	<i>Universtiy of Michigan</i>
Python	Python Data Structures	<i>Universtiy of Michigan</i>
Python	Using Python to Access Web Data	<i>Universtiy of Michigan</i>
SEO, SEA	Online-Marketing-Grundlagen	<i>Google</i>

Hobbys

Soccer	Private round on a weekly basis.
Golf	amateur level
Bouldering	amateur level

Frankfurt am Main, 16. October 2022.

