CV Frank Mehlhop

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Skills

C#, .NET, Angular, Blazor, MAUI, WPF, html, css, TypeScript, ElasticSearch, Rest-API, Azure DevOps, SQL, ..

Software projects

06/2024 to today

Mehlhop
Creation and maintenance of various websites and CMS projects for small customers using Wordpress, Contao, html, css, various plugins, MySQL. Development of microcontroller applications in C++.

Development, updating, migration of various websites for small businesses. Creating a login page.

02/2022 to 05/2024

Somacos GmbH und Co. KG
Browser and native applications for session management.

C#, Angular, Blazor, Maui, MS-SQL, ELasticsearch, Rest-Api, .NET core, ASP.NET

Maintaining an existing Angular application, creating a new Angular application, creating a Blazor application, creating a Maui application, implementing Elastic Search for pdf and data encryption.

03/2021 to 01/2022

Infineon Technologies AG
Equipment Integration for Semiconductor Industry using C#, SECX standard and interfaces, ..

Create couplings between wafer processing equipment and the control system.

01/2021 to 02/2021	**Queo GmbH** Creation of a browser application using C#, Angular, MS-SQL. Creation of a project with C# and Angular Frontend for the the automotive sector. Connection to MS-SQL and use stored procedures.
02/2019 to 10/2019	**Robotron Datenbank-Software GmbH** A software house with main focus on databases in Dresden. Development for the customer company Carl Zeiss an extensive REST API using C#, .NET Core 2.2 with LDAP-Authentification via Token, Oracle db, Elasticsearch, MS Active Directory, Docker, RabbitMQ, Git, LDAP, Win10 (development), Linux (productiv), Visual Studio Realization of a project for a semiconductor manufacturing supplier. Different devices and machines deliver continuously lots of data like temperature and pressure. This data needs to be sorted and saved in realtime through different Rest interfaces. On the other side we provide Rest interfaces for getting and analysing the data.
03/2018 to 10/2018	**KPMG** At a large auditing company in Berlin. This company mainly provides financial advice and is represented worldwide. Developpment of an intranet application in C#, .NET and JavaScript, also Angular 6, Draw.io, Azure, REST API, Visual Studio Code. Development of a intranet application for managing customer projects in a financial consultation environment. My main responsibility was frontend development up to the REST API.
05/2017 to 10/2017	**Carl Zeiss Microscopy GmbH in Munich** Desktop application for Windows PC using C#, WPF, .NET, Visual Studio 2015 and TFS for optical industries, specialist for high-resolution microscopes. Development and optimization of a wizard for fine-tuning parameters to generate high-resolution images of tissues with brightfield- / fluorescence microscope. (for Device Carl Zeiss Axio Scan.Z1)

12/2013 to 01/2017	**GeSiM mbH** Instrumentation and microfluidics for microarraying, 3D bioprinting, complex material handling at the microscale. Project manager for development of desktop-application for Windows-PCs using C#, .NET, WPF, MS Visual Studio 2013 and 2015, SVN, VPN for robot steering. Supervised three team members. Development of an extensive and extremely complex steering system for cleanroom laboratory equipment. Project cycle management, software architecture, software development, GUI design, product testing, managing customer relations. Included developing several user interfaces, data processing, data storage, and data display for two sets of equipment: a 3D scaffolder for printing human organs (bones, skin and veins), and a fully automated precision synthesizer for pharmaceutical usage (picoliter-scale volumes and µm-scale movements).
07/2013 to 11/2013	**NASSENHEIDER e.K.** Android application for tablets using JavaEE, Eclipse und JDK. Development of a touchpad-driven machine steering for automated honey processing machinery.
08/2011 to 11/2012 Internships in three sections of 3 months each	**Fraunhofer Institut IVI** Fraunhofer Institut is a German research organization with 72 institutes spread throughghout Germany. Android App for smartphones using JavaEE, Eclipse, JDK, SVN. **Cooperation with the ADAC** Data collection and analysis to detect motorway traffic jams via device-integrated g-Sensor. Integration of mathematical algorithms into software. **Cooperation with the John Deer** agricultural machinery. Developing gesture control and motion-driven steering for smartphones.

Website projects

since 2007   Examples of completed website projects can be found on my
website: www.mehlhop.com

Education

02/2011 – 02/2013   Vocational training as IT Specialist for application development
with practice at Fraunhofer Institute for Transportation and
Infrastructure Systems IVI (Java, Android),
degree as Computer Science Expert, Subject area: Software
Development

09/1992 – 06/1999   University studies in sociology and Indian art history
(Freie Universität Berlin, Technische Universität Berlin)

07/1992   High school diploma
with additional technical training component

since 1987   Doing programming (Basic, Atari XE)