

# CV Frank Mehlhop

Priessnitzstr. 33  
01099 Dresden  
Germany

+49 177 174 1973  
info@mehlhop.com  
www.mehlhop.com

## Skills

JAVA  
Android  
Eclipse  
Android Studio

C#  
.NET  
WPF  
Visual Studio

PHP  
HTML  
CSS  
JAVA SCRIPT  
Bootstrap

git  
SVN  
TFS

## Education

since 1987	Doing programming (Basic, Atari XE)
07/1992	High school diploma with additional technical training component
09/1992 – 06/1999	University studies in sociology and Indian art history (Freie Universität Berlin, Technische Universität Berlin)
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

# Projects

## Software projects

05/2017 to 10/2017, Carl Zeiss Microscopy GmbH

**Desktop applications for Windows PC in C# (with WPF und .NET, Visual Studio 2015 and TFS).**

Development and optimization of a wizards for fine adjustment of parameter to generate high-resolution images of tissues with brightfield- / fluorescence microscope. (Carl Zeiss Axio Scan.Z1)

11/2016 to 12/2016, markenbuero GbR

**Desktop applications for Windows PC in C# (with .NET and WPF with MS Visual Studio 2015).**

Development of a GUI according to extremely detailed design specifications. Software designed for application in pharmaceutical production in cleanroom environments.

08/2016 to 01/2017, GeSiM mbH

**Optimization of an existing desktop application for Windows PCs in C# (with .NET and WPF with MS Visual Studio 2015, SVN, VPN).**

Integration of camera control into the existing software. The camera can be physically moved and images are displayed live on a screen. Drops are automatically detected and their volume calculated. Results are displayed and a report is generated and saved.

12/2013 to 07/2016, GeSiM mbH

**Project manager for development of desktop-application for Windows-PCs in C# (with .NET and WPF with MS Visual Studio 2013 und 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 scaffold for printing human organs (bones, skin and veins), and a fully automated precision synthesizer for pharmaceutical usage (picoliter-scale volumes and  $\mu\text{m}$ -scale movements).

07/2013 to 11/2013, NASSENHEIDER e.K.

**Android application for tablets with JavaEE (Eclipse und JDK).**

Development of a touchpad-driven machine steering for automated honey processing machinery.

Two phases: 02/2012 to 05/2012 and 08/2012 to 11/2012, Fraunhofer Institut IVI and ADAC

**Android App for smartphones with JavaEE (Eclipse, JDK, SVN).**

Data collection and analysis to detect motorway traffic jams via device-integrated g-Sensor. Integration of mathematical algorithms into software.

08/2011 to 11/2011, Fraunhofer Institut IVI and John Deer agricultural machinery

**Android App for smartphones with JavaEE (Eclipse, JDK, SVN).**

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](http://www.mehlhop.com)