

Senior Software Developer

Steffen Ott

Mobile 00385 99 482 3920
Mail info@steffenott.net
Site www.steffenott.net
GitHub www.github.com/Sneedd
Address Rakicka ulica 16
10431 Jagnjić Dol
Croatia

PROFILE

Senior Software Developer with over 13 Years of professional work experience as a Full-Stack-Software Developer and also 13 Years of programming as a hobbyist. Studies of Technical Computer Science in Konstanz (Germany), which back then called Diplom-Informatik (FH).

Worked through the full development life-cycle of an application from designing architectures and API's to implementation and testing. With an in depth of experience in all areas of application development. Worked in Scrum Teams and mostly with Microsoft .NET technology.

Skilled in designing API's, multithreading, networking and like to have architecture responsibility.

SKILLS

C#, Microsoft .NET Framework, WinForms, ASP.NET MVC, DevExtreme, DevExpress WinForms, DevExpress Dashboard, Microsoft Workflow Foundation, Monogame, PHP, JavaScript, JQuery, HTML5, CSS3, SASS, C/C++, wxWidgets, OpenGL, SQL Server, SQLite, MySQL, Oracle SQL Server, Visual Studio, Visual Studio Extensibility, GIT, Azure DevOps / TFS, Pascal / Delphi, Java, R and more.

CERTIFICATION

Microsoft Certification: 70-483 Programming in C# (2019)

EXPERIENCE

- 2 Years Full-Stack Developer as Freelancer
- 9 Years Full-Stack Developer at macs Software GmbH
- 2 Years Full-Stack Developer PHP at Nexus AG

EXPERIENCE (DETAILED)

- Implementing an easy **installation setup for a ASP.NET WebForms application in IIS** using InnoSetup.
- Migrating, designing and implementing a bunch of **table-based file formats** including an **UI for export and import** single tables, database queries or complete databases.
- Designing and implementing a **SQL-based language which compiles into IL-code**, for fast calculation and filtering bigger data sources.
- Designing and implementing a customizable **serialization solution for table based data**.
- Designing and implementing a **three-layer cache** (deserialized, serialized in-memory, serialized hard disk) which invalidates according to server-based keys.
- Designing and integrating of the Microsoft Workflow Foundation (designer and run-time) to represent **dynamic application workflows** for business and UI functions in a multiple server environment. Extend almost all aspects from custom Activities, integration of the Workflow Designer, utilizing the Workflow Designer as a status viewer and a bunch of internal Workflow Services.
- Designing and developing an **extensible base service for all business, background and UI operations** while allowing easy communication over multiple servers. Implementation of all extensions like, license-tests, right-test, percentage-calculations-and-communication, logging, data-transfer, automatic based on parameters and more.
- Designing and implementing an **Windows Explorer-like UI** with almost equal functions based on evolving data representations within the database.
- Designing and implementing a **batch report system** which executes client- or server-side. While the reporting system was based on DevExpress report.
- Overall designing, implementing and **maintaining the main components of the servers and clients** which includes initialization and shutdown routines, server connections, overall communication, licensing, user- and role-management, logging, email communication, customizable menus and more.
- **Refactoring the server components** for a more service orientated approach.
- Implementation of various **Visual Studio extensions** starting from VS2015 till VS2019 to generate code or create specialized items.
- Implementing and partially designing a **filtering UI** with hierarchically inheritable filtering values.
- Consulting and **maintaining of a document management system written in PHP** for quality management in hospitals. Including implementation of small extensions, for example an Active Directory synchronization solution, calendar and email functionality and more.
- Utilizing DevExpress Dashboard (WinForms) as a base for the design and implementation of a **multi layout action-orientated dashboard solution**, which integrates with the database structure of the base system.
- Designing and implementing secure **authentication according to data protection laws and hints**. For example password expiration, password complexity checks and more.
- Porting, designing and implementing the **base application structure of the WebClient** in ASP.NET MVC, based on the functionality of the Windows Client, including Authentication and Authorization mechanismen, caching, settings and more.
- **Integrating an existing authentication over OWIN** into the ASP.NET MVC Web Client.
- Utilizing the DevExpress Dashboard ASP.NET MVC to implement the same **dashboard functionality into a WebClient** from the Windows Client.
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