Thomas Glaser

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# Profile

I have 14 years commercial experience in the IT services and software delivery industry. During this time I mainly fulfilled the roles of a Senior Software Engineer and Technical Team Lead. Prior to this I have successfully graduated as a Master of Computer Science at the Technical University of Ilmenau, Germany.

I have an excellent track record from a technical point of view and received consistently positive feedback about my pro-active approach, outstanding communication skills and team work.

In addition to interesting technical tasks, a large part of my job satisfaction is coming from solving real-life customer needs and I enjoy ongoing interaction with stakeholders as only this ensures the best outcome possible.

**Key skills: Web Development on the Microsoft stack, MS SQL + ASP + Angular.**

# Skills

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| **Web Frameworks and Technologies** |  |
| TypeScript/JavaScript | 5 Years |
| HTML+CSS | 10 Years |
| Angular | 5 Years |
| WebForms | 4 Years |
| ASP MVC 2 – 5, Razor | 3.5 Years |
| WebAPI 1 – 2 | 1 Year |

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| **Backend Frameworks and Technologies** |  |
| C# | 12 Years |
| C++ | 5 Years |
| MS SQL Server 2008 – 2016 | 4 Years |
| .NET Core | 2 Years |
| .NET | 9 Years |
| LINQ | 3 Years |
| Entity Framework 3 – 6 | 3 Years |

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| **Leadership** |  |
| Technical Team Lead | 4 Years |
| IT Director | 1.5 Years |

## Architectural Patterns

Distributed Systems, N-Tier, OOP, OOD, MVC, MVVM, Unit of work, Singleton, Responsive Web, Code First, Database First

# Experience

## Invenias - Senior Web Developer (contract)

*October 2018 – Current*

Re-implementation of Web-Based CMS in Angular 7.

Tools/Languages: **Angular** (v7), **RxJS** (Reactive extensions for JS), **@ngrx/store** (State manager), **C#**, **Visual Studio 2017**, **Visual Studio Code**.

This client was struggling with performance issues, maintainability and stability. I’ve taken the following steps to move them forward:

* Start to re-implement the application using several new concepts in a side-by-side way, so the improvements can be seen immediately. It is not just a like-for-like, many new features were implemented along the way.
* Introduce @ngrx/store for client-side state management and caching.
* Migrate from Angular 4 to Angular 7 to take advantage of out-of-the-box performance improvements.
* Move them to the new Angular CLI build system. This took dev builds from 8 minutes down to 2.
* Set up code linting to highlight anti-patterns and use of deprecated features.
* Educate the team on all the new concepts so that they can to move forward.

## Fiserv - Senior Web Developer (contract)

*October 2017 – October 2018*

Re-implementation of Risk Assessment Software in Angular 5.

Tools/Languages: **C#**, **WebAPI**, **Angular** (v5), **RxJS** (Reactive extensions for JS), **@ngrx/store** (State manager), **Visual Studio 2015**, **Visual Studio Code**, **MS SQL Server**.

The old version of the FCRM risk assessment software was implemented in Silverlight and had to be re-implemented in Angular. This included writing a REST API wrapper for the legacy server-side logic using WebAPI. The client-side application was then created from scratch using Angular.

I did some work on the server-side back-end, but I mainly focused on the client-side Angular application and ended up writing about 80% of the app on my own. There was a heavy focus on observability (data changes in one part of the UI affecting other parts), so we heavily used the @ngrx/store, @ngrx/entities and @ngrx/effects packages to manage and observe client-side state changes.

## Knight Frank - Senior Web Developer

*July 2015 – September 2017*

Extending and updating Knight Frank's web presence.

Tools/Languages: **C#**, **ASP MVC**, **.NET Core 1.1**, **AngularJS** (1.x) **Angular** (2.x), **jQuery**, **ASP WebApi**, **WebForms**, **Visual Studio 2015**, **MS SQL Server**

I have rewritten Knight Frank’s property search application from scratch. I have also done multiple smaller projects for Knight Frank, including:

* A UK stamp duty calculator (JavaScript/jQuery) <http://www.knightfrank.co.uk/stamp-duty-calculator>
* A new office and people search plugin (AngularJS, WebAPI)

## Couchbase Inc. - Software Trainer (contract)

*July 2015 – Oct 2016*

I have trained some of Couchbase's customers in the use of the Couchbase C SDK (libcouchbase).

## Magnitude Internet GmbH – IT Director, Software Engineer

*Oct 2014 – Oct 2018* Technical director of a German start-up company and responsible for architecture and development.

Tools/Languages: **C#**, **ASP.NET MVC 5**, **ASP Web API 2**, **AngularJS**, **MS Azure**

## HM Informatik AG – Senior Software Engineer (contract)

*Mar 2014 – June 2015*

I have written multiple plugins for a Flight Control Simulation software (FCS). Tools/Languages: **C++**, **Boost**, **CMake**, **QT 4.8**, **Visual Studio 2010**, **Bazaar**.

## Momentum Coach Hire Ltd – IT Director, Senior Software Engineer, Consultant

*Sep 2011 – Mar 2014*

I have been working for Momentum Coach Hire, a small ambitious company in the Coach Hire and Event Organisation business. There, I have created a variety of new web sites and improved existing ones. I’ve moved some of the existing ones to Azure, all the new ones were hosted on Azure from the start. I have also been promoted to IT Director and was responsible for the migration of the entire company (50 employees) onto Microsoft Office 365.

Tools/Languages: **C#, ASP.NET MVC 3-4, Google Maps API, MS Azure**

## Symantec UK Ltd – Senior Software Engineer

*Feb 2010 – Sep 2011*

I have worked as a Senior Software Engineer for Symantec UK Ltd in the Research and Development team for Symantec Enterprise Vault, an email archiving solution written in C# and C++. In my time there I have performed the following tasks:

* Completed or am working on a number of small to medium projects including new features and architectural enhancements to improve resilience.
* For these projects, I have created the functional specification and software design documents and have implemented them on my own or as part of a team.
* Main tools/skills used:
* **OOA, OOD, Database Design, UML**
* **MS Visual Studio 2008, C#, C++, XSLT, MS SQL Server 2008**
* Fixed many defects in different code streams as part of learning the project architecture
* Received outstanding performance reviews for pro-actively driving architectural improvements and my excellent communication and team work

## Ingres Europe Ltd – Senior Software Engineer

*Mar 2004 – Feb 2010*

With Ingres I worked as a permanently employed Consultant. I was involved in various customer projects as a developer and architect.

# Education

## Technical University of Ilmenau

* Diplom Informatiker (Dipl. Inf.) – Equivalent to 2:1 Master in Computer Science
* Primary Subject: Computer Science “Good” (2.2)
* Secondary Subject: Mathematics “Good” (1.7)
* Diploma Thesis: “Toolbox with Interactors for Geometric Modelling in Virtual Reality” “Good” (2.3)
* Various extracurricular Activities like Manager of a Student Club.

## Training received

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| Time | Content |
| Jan 2011 | Effective C++ |
| Jul 2010 | Lotus Domino Administration Boot camp |
| Feb 2008 | Application Development in OpenROAD |
| Jan 2008 | Migrating ABF to OpenROAD |
| Dec 2007 | Jaspersoft, iReport, JasperServer |
| Oct 2007 | Visual Studio 2008, .NET 3.5 |
| Jun 2005 | V-Model XT |
| May 2005 | QM System ISO 9001 |
| Aug 2004 | MS Project Server |
| Jul 2004 | Train the Trainer |
| Apr 2004 | QM System ISO 9001 |

## Interests

* Open Source Community, Linux
* Racquet Sports

## References

Excellent references available on request.