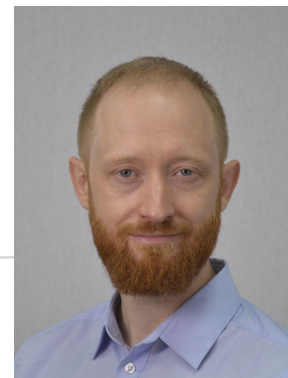


Glatzhofer Michael, BSc

Software Engineer / Computer Scientist

Last [update](#) September 2023



Born 1982 Salzburg, Austria

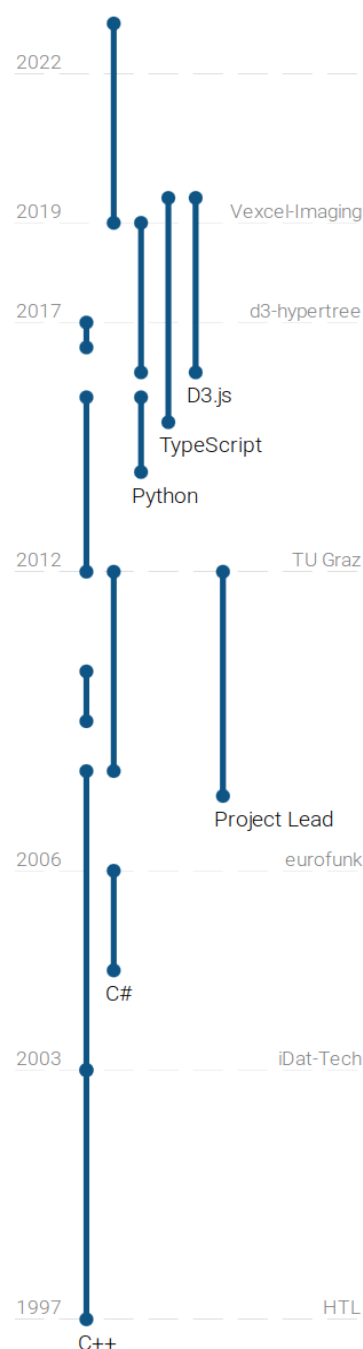
Living in Graz, Austria

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michael.glatzhofer@gmail.com

[github](#) · [linkedin](#) · [observable](#)

[d3-hypertree demo](#) ★



Experience

2022 – 2023 · *Sabbatical* · Panama, Austria

2019 – 2022 · *Vexcel-Imaging* · Graz, Austria

Software Engineer

C#/.Net software development in the field of distributed computing for aerial image processing. Development, performance optimisation, and maintenance of a proprietary distributed processing system for large cluster environments. Windows Server, C#, .Net

2017 – 2021 · *d3-hypertree* · [Open Source Project](#)

Founder Maintainer, Freelancer

Open source web component for hyperbolic tree visualizations. Implementation of extensions. Information visualization consulting. Data processing pipeline consulting. D3.js, Node.js

2006 – 2012 · *eurofunk Kappacher* · St. Johann i.Pg, Austria

Software Architect, Project Lead, Software Engineer

Developing server processes and integrating third-party systems into control centers in the fields of public safety and industry. Mostly multithreaded processes written in C# and/or C++. Later project lead and software architect, the teams consisted of three to ten people, depending on phases of the project.

C++ to C# Migration / 2008 – 2012 / Software Architect / Project Lead
Software architect and project lead for migration from C++ to C#/.Net. Evaluation of new technologies, middleware architecture, service infrastructure architecture, data access layer. Performance optimization

Fraport Terminal 1 Command Center integration / Software Architect

Integration of periphery systems like surveillance system, fire detectors, and other alert sources to command center software for Frankfurt Airport Terminal 1. Protocol specifications, system architecture, technical communication with third-party suppliers

2007 – 2012 / Software Architect / Project Lead / Software Engineer

Designing a new mobile device system (FMS) capable of multiple transport layers like TETRA, legacy radio systems, and IP network. Protocol specification and training of third-party device suppliers

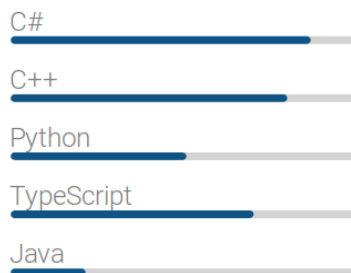
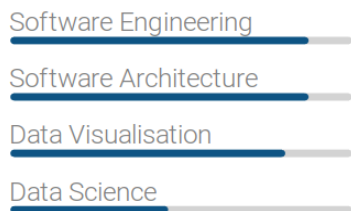
Software Engineer

Implementation of interface services for peripheral systems like surveillance systems, security alarm systems for police, fire departments, ambulance, airports and industry.

2003 – 2006 · *iDat-Tech* · Salzburg, Austria

Software Engineer, Co-Founder

Embedded programming and programming close to hardware, mostly for customers in the automation industry. Process visualizations



Education

2016 — 2019	M.Sc. University of Technology Graz, not completed Knowledge Technologies Multimedia Information Systems
2012 — 2016	B.Sc. University of Technology Graz Computer Science
1997 — 2002	HTL Braunau Telecommunications Engineering

Skills

SOFTWARE ARCHITECTURE:

Modularisation
Microservices
Distributed Systems
Data Processing Pipelines
API Design
Network Protocol Design
UML
Design Patterns
Performance Optimization
Concurrent Systems
Asynchronous Systems

PROJECT LEAD:

Agile Development
Kanban
Scrum

DATA SCIENCE\VISUALISATION:

D3.js
SciPy
Pandas

SOFTWARE ENGINEERING:

C#
C/C++
Python
TypeScript
Java

REST
SOA
SQL
MOM
RPC/RMI
OPC
HTTP
IP/UDP

Windows Services
Apache Tomcat
WCF
Node.js
Webpack

Soft Skills

Teamwork
Leadership
Active Listening
Intercultural Communication

Languages

German
English Fluent
Chinese A1