Marco von Ballmoos

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PROFILE

I've been designing and building software professionally since 1994 (over 27 years). My focus has been on automated testing and libraries/frameworks (with an eye on DRY and YAGNI) to meet customer and product **requirements**: functional, UX, performance, maintainability, scalability, etc.

ROLES

Full-stack Developer

Design and build software in a wide range of languages and frameworks on client and server. Most recent experience is **.NET** and **TypeScript/React**.

Systems Architect

Design and document back-end and front-end systems. Integrate with existing systems. **Understandable**, **Maintainable**, and **Extendable**.

DevOps

Design and build processes to go from dev boxes to deployment. Most recent experience is **Azure**, **Jenkins**, and **TeamCity**.

Trainer & Educator

Teach **JavaScript** and **Mobile-App Development** at a local college. Design, write and present trainings; write technical documentation; share knowledge via code reviews and frequent blogging.

Project Manager

Analyze, collect, refine, and specify **requirements**. Coordinate with customers. Manage backlog, sprints, and releases. Major recent experience with **Jira** and **Azure Boards**.

SKILLS SUMMARY

- TypeScript: 7+ years/expert
- React: 5+ years/expert
- JavaScript: 10+ years/expert
- C#: 10+ years/expert
- HTML/CSS: 10+ years/expert
- Less/SCSS: 8+ years/proficient
- Angular: 2+ years/competent

- CI/CD: 8+ years/expert
- ASP.NET (Core): 10+ years/expert
- .NET/.NET Core: 10+ years/expert
- PHP: 10+ years/expert
- Automated Testing: 10+ years/expert
- iOS/Swift: 5+ years/proficient
- Android/Java: 5+ years/proficient

See details online for a full listing of skills.

Certifications

Programming in C# (2019)

PERSONAL

Languages

- English: Native
- German: Fluent
- Swiss-German: Fluent
- Italian: Mixed
- French: Mixed

Mixed: intermediate comprehension; basic speaking, writing

Interests

- Cycling
- Hiking
- Programming
- Writing
- Books
- Movies
- Current Events

EMPLOYMENT & EDUCATION

HFU
Uster, Switzerland

Nov 2020—present

Instructor; Lead Developer

Encodo Systems AG
Winterthur, Switzerland

Sep 2005—Jan 2022

Founding Partner; Project Manager; Architect; Lead Developer; Support

Opus Software AG
Wetzikon, Switzerland

Oct 2002—Aug 2005

Architect; Lead Developer; Support

Logicat, Inc.
New York, New York

Aug 1994—Aug 2002

Architect; Lead Developer

Hamilton College
Clinton, New York

Aug 1990—May 1994

BA in mathematics; Minor in physics; Undeclared major in computer science

RECENT EXPERIENCE & PROJECTS

HFU (Höhere Fachschule Uster)
November 2020—present

Introductory JavaScript
Nov 2020—present

- Instructor
- JavaScript, HTML, CSS, NPM, Node
- Programming principles with JavaScript in a web browser.

Mobile App Development
May 2021—present

- Instructor
- Xamarin, C#, .NET, iOS, Android
- Cross-platform mobile applications with Xamarin for iOS and Android.

Encodo Systems AG
September 2005—January 2022

Quino
Sep 2007—Jan 2022
- Technical PM, Architect, Lead Developer
- C#, Web API, TypeScript, Less, React
- Designed, built and supported a powerful, flexible, modular and modern metadata framework for .NET (API servers, SPAs, Winform, WPF).

Crealogix MAP CI/CD
May 2020—Oct 2020
- Architect, Developer
- Jenkins/Ruby, TypeScript, Java, Swift
- Built CI/CD deployment pipelines for a framework and multiple projects, with iOS/Android targets, SauceLabs, Artifactory, Vault, and SonarQube integration.

Roche LabCore Web Modules
Oct 2019—Mar 2020
- Architect, Developer
- TypeScript, React, Angular, SCSS
- Designed an architecture for a multi-technology web framework/library.

Crealogix Digital Banking Demo Days
Mar 2019—May 2019
- Architect, Developer
- TypeScript, React, CSS/LESS
- Wrote a chat-robot prototype against a UI/UX concept for a demonstration.

Aplix Logistik
Mar 2018—Aug 2018
- Architect, Technical PM, Developer
- C#, React, Redux, TypeScript
- Supervised, provided guidance and helped develop the back-end for a mobile-based, "picker" app for food warehouses (SwissBio).

Micron Top Performance
Sep 2016—Nov 2018
- Architect, Technical PM, Developer
- C#, TypeScript, React, Redux
- Designed and developed employee-managed, -evaluation and performance-review software with PL in New Jersey and a team in Philippines, deployed on AWS.

Crealogix MAP
Sep 2016—Jan 2018
- Architect, Developer
- Java, Swift, TypeScript, React, Android & iOS SDKs
- Designed and built a cross-platform mobile-banking solution for Android and iOS.

Apex Clearing Alps
Jun 2013—Sep 2016
- Technical PM, Architect, Developer
- C#, Web API, TypeScript, Less, Knockout
- Services and web front-end for processing, overview and management of ACATS for Apex Clearing Corporation.

Qontis
Mar 2013—Feb 2015
- Architect, Developer
- C#, WCF, Meniga, JavaScript, Less, jQuery
- A personal finance manager with integration into various online banking systems.

See details online for a full listing of experience.