

Christoph Weiler

Lead Software Developer - Freelancer

Personal

Name	Christoph Weiler BSc
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Nationality	Austrian

Experience

10/2019 - now	Freelancer	Self employed
	Own product (will be launched end of May) <ul style="list-style-type: none">• NextJS application (React, only functional components, MobX)• OAuth2 via NextAuth.js (Google, Facebook, Twitter, Email magic link)• Tailwind CSS	
	Industry project, Neuman Aluminium GmbH: Development of a MES system <ul style="list-style-type: none">• Java + Spring Boot Backend• Keycloak SSO with OpenID Connect (OAuth2)• React + Typescript Frontend• Websockets for live updates• OPC UA machine communication• Reporting to Infor ERP system• Deployment via Gitlab CI to a Docker Swarm Cluster	
	Reduce technical debt, EOS Technology Solutions GmbH: <ul style="list-style-type: none">• C++ Service Layer• Java + Spring Boot Microservices• Java Swing Frontend	
	Internal project, Jetlevel GmbH: <ul style="list-style-type: none">• Java + Spring Boot Backend• Vaadin Flow Frontend (Pure Java)• Deployment to Google Cloud (App Engine, Cloud Storage, Cloud SQL, IAM, Secret Manager)	
	Internal survey tooling, Tricentis GmbH: <ul style="list-style-type: none">• C#, .NET Core 2.1, Entity Framework, SQL Server• jQuery frontend• Deployment to Microsoft Azure (App Service, Azure MS SQL, Azure Key Vault),	
	Business Homepage, Christoph Weiler <ul style="list-style-type: none">• Static web-site deployed to AWS S3 with AWS CloudFront CDN	

05/18 - 09/19

Lead Software Developer

Catalysts

Project Named Entity Recognition:

Development of a system to automatically extract entities from doctor's bills to support the reimbursement process for ITSV (IT services for the public healthcare insurance companies).

- Leading a 5 person team
- Kotlin + Spring Boot Backend
- JWT authentication
- Vue2 + Typescript Frontend
- Orchestration of multiple microservices with RabbitMQ
- Deployment via docker containers to Openshift
- Project in the public sector

Project MES system:

Development of a MES system. Workers use mobile phones to scan containers that go from one step to another. Integration with Infor ERP.

- Leading a 3 person team
- Java + Spring Boot Backend
- Keycloak SSO with OpenID Connect (OAuth2)
- Angular + Typescript Frontend
- Websockets for live updates
- Website calls a self-written native Android app, for data-matrix code scanning
- Deployment via Teamcity on Windows VMs

03/17 - 04/18

Senior Software Developer

Deloitte

A variety of tasks which I unfortunately can't talk about. Some facts:

- Research & development: Solr vs. Elastic Search
- Angular + Typescript Frontend
- Small project (Java+Spring Boot Backend, Vue Frontend)
- Consulting work with React
- Bigger project written in Go

07/15 - 02/17

Junior Software Developer

Catalysts

Project U:Space: Implement portlets for the University of Vienna portal for students (Study application, Course registrations, Grade view, etc.) and teachers (Manage course registrations, grading process)

- Refactor monolithic application to a microservice architecture
- Liferay Portal CMS
- LDAP based authentication
- Java + Spring Portlets
- Angular Frontends
- Netflix Stack for microservices (Eureka, Zuul, Hystrix)
- Deployment via Jenkins
- Project in the public sector

03/14 - 06/15

Tutor

TU Vienna

Tutor in various disciplines:

- Theoretical Computer Science and Logics
- Logic programming and constraints
- Distributed Systems
- Program Construction in Practice
- Algorithms and Datastructures

07/13 - 08/13	Freelancer, Consultant Consulting and integration of Oracle IDM for our customer: <ul style="list-style-type: none"> • Integration Oracle Identity Management • Writing a Java-based tool to connect a few hundred servers to the Identity Management Server 	Ventum Consulting
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Education

2014 – now	Working on a Master's Degree in Software Engineering I am currently writing my Master's thesis with the remaining time next to my full time job <ul style="list-style-type: none"> • Focus on algorithms & data structures. Especially on heuristic and exact optimization. • Focus on Software Engineering & Testing • Current GDP: 1,31 	TU Vienna
2011 - 2014	Bachelor's Degree in Software & Information Engineering Full-Time studies, completed with distinction <ul style="list-style-type: none"> • Programming in Assembler, C, C++, Java, Haskell, Prolog, Javascript • Basics of programming, computer architecture • Basics of algorithms, data structures • Basics of testing, validations • Basics of security • GDP: 1,24 	TU Vienna
2005 - 2010	HTL Anichstraße School specialized on electronics, telecommunication & technical informatics <ul style="list-style-type: none"> • Programming in C/C++, Java, Assembler • Microcontroller programming (ATMega series) • Computer networks, network configurations • Basics of electronics 	School