Martin
Knoller Stocker

Senior Software Developer,
Team/Tech Lead

Bergstrasse 15
8800 Thalwil
✆ *+41 79 264 70 58*
☎ *+41 44 450 81 39*
✉ *martin.knoller@gmail.com*
Date of Birth 01.07.1976

 linuxswords   **in** Martin Knoller Stocker

Experience

Vocational

Oct 2022 - current

Team Lead, *Competec Services AG*, Zürich.
Taking over the team lead position with its responsibilities, while still coding on our projects

Managing the team

- Regular 1:1 meetings with team mates
- Interviews and hiring
- And still coding

Aug 2018 - Oct 2022

Lead Developer/Tech Lead, *Competec Services AG*, Zürich.
Extracting and building the search for brack.ch and the other competec ecommerce shops from an on premise legacy system into the cloud with a strong focus on CI/CD and heavy testing.

Building a new team, establish a new office for competec in Zürich. Establish development process and best practices.

- Introducing CI/CD on base of pipelines, containerizaton (docker) into the cloud
- Fully automated infrastructure with terraform, kubernetes and google cloud
- Take responsibility for our code: on-call duty
- Automating data import
- Data-Science project support
- Interviews and hiring
- Tools and techniques used:
    - continuos integration/delivery
    - scrum/agile development
    - terraform for automated infrastructure

Technologies used: java, python, golang, scala, solr, kubernetes, git, bash, linux, docker, docker-compose, terraform, google cloud

Aug 2016 - Jul 2018	**Tech Lead, Engineering Manager**, *Siroop AG*, Zürich.
	Developing the new ecommerce platform in house with continous integration/deployment, test driven. Automated infrastructure, testing and deployment
	
	Highlight was building a deployment pipeline and with surrounding systems with which we could deploy multiple times a day. I was responsible for one of the development teams as a Tech Lead and also for the personal development of the team members as an Engineering Manager.
	
	Detailed accomplishments:
	○ Replaced a legacy external ecommerce platform with an in-house solution. From a monolith to REST based micro-services
	○ Building an auto-scaling, dockerized orientated solution
	○ Maintaining the new system: on-call duty
	○ Building/Running a voucher service, enabling the old and new platform to run marketing campaigns
	○ Helping design a career ladder system for software engineers
	○ Helping setup the interview process for developers and conducting interviews
	○ Tools and techniques used:
	  - continuos integration/delivery
	  - scrum/agile development
	  - terraform for automated infrastructure
	Technologies used: python, node, elasticsearch, AWS Lambda, AWS Dynamo-DB, git, bash, linux, docker, docker-compose, terraform

Sep 2008 - Aug 2016	**Software Developer**, *IMIS AG*, Zürich.
	Senior Developer, Web-Applications with Tapestry 4.1 and Playframework with connections to various ERP-Systems (SAP via ISA or JCO, Navision, Performis, CRHtrade etc.). Designing Import-Systems from PIM (IDAS, ASIM, Stibo, Tradcom etc.)
	
	One **Highlight** was that I could redesign and implement a legacy sequential import system to a parallel one, reducing the duration from 12 hours to 30 Minutes!
	
	Detailed accomplishments:
	○ Replaced legacy deployment strategy with a custom maven 2 plugin.
	○ Serving as an expert examiner for apprentice exams.
	○ Migrationg SCM from Subversion to git
	○ Leading internal workshops for
	  - Unit Testing
	  - Software Quality
	  - Maven2
	○ Design and Implementing various interfaces from the web-application to third-party systems (ERP)
	○ Design runtime and import infrastructure with docker (www.docker.io)
	○ Technical Lead in the development group
	○ Architectural Design
	○ Support of Junior-Developers
	○ Conducting job interviews and coding assessments
	○ Maintenance/Bugfixing/Enhancements of existing projects
	Technologies used: Java, Scala, Javascript, MSSQL, Oracle, JBoss, Apache Lucene, elasticsearch, XSLT, STX, Webservices/REST, Maven2, SBT, Jenkins, web-frameworks like Play and Tapestry, Html, CSS, bash, linux, docker

2006–2008	**Freelancer**, Zürich. Creating, developping, maintaining and hosting of websites/cms. Creation of an online comic-shop. *Technologies used*: PHP, Apache, Linux, Symfony

2005–2006 **Assistant**, *ETH Zürich*, Zürich.

Assistant
○ Prof. R. Hiptmair, D-Math
  - Working on paper for lecture *Numerical Mathematic for Computational Science* in LaTeX
  - Scripts in Perl, LaTeXand Bash for statistics.
○ Prof. W. van Gunsteren, IGC
  Working on lecture papers.
Technologies used: Bash, Perl, Subversion, LaTeX

2003–2004 **Assistant, Tutor**, *University of Zürich*, Zürich.

Part time employee
Teaching java to beginners

Miscellaneous

2004 **Call-Agent**, *DIMAZ AG*, Zürich.

Customer care on french/german

2001–2002 **Clerk**, *Zentralstelle für Lohnnachzahlungen (ZLBG)*, Zürich.

Clerk

1997–2001 **Employee**, *Swissport Ag*, Zürich Kloten, Airport Zürich.

Part time job during graduation

Education

2022	**Workshop Think like a relevance engineer solr**, *OpenSource Connections*, *https://opensourceconnections.com*.
2017	**Workshop Tech Lead**, *Siroop AG*, Zürich, *Tech Lead Workshop by Pat Kua*, *https://www.thekua.com/*.
2007–2008	**Bachelor of Science**, *Fachhochschschule Nordwestschweiz (FHNW)*, Brugg/Windisch, *Bachelor of Science in Computer Sciene of Distributed Software Systems*.
2005–2006	**Student**, *ETH Zürich*, . Study of Computational Science
2002–2004	**Mathematics Undergraduate**, *University of Zürich*, *Undergraduate (1. Vordiplom)*. Study of Mathematics as major subject, Information Technologies as a minor.
1997–2001	**Graduation**, *KME Zürich*, *University-Entrance Diploma*. Graduation school while working part time.
1993–1996	**Apprenticeship**, *Winterthur-Versicherungen GA Bülach*, Bülach, *Apprenticeship*. Apprenticeship in a commercial insurance company

Bachelor thesis

Title	*Integration of intelligent RFID-Tags in logistic systems*
Supervisors	Prof. Dr. Carlo Nicola, University of Applied Sciences Northwestern Switzerland, Institute of Mobile and Distributed Systems
Abstract	Since 2008 a new RFID-Tag system in the width of 2.45GHz from SIEMENS can not just be identified but localized with mobile hot spot accesspoints. Also writing information to the RFID-Tags is possible. We tested throughput and scalability and designed and implemented a prototype of an end user application

Accomplishments

Certificates

2022	Think like a relevance engineer solr badgr certificate
2013	www.coursera.org: Computing for Data Analysis, introduction to R with distinction
2012	www.coursera.org: Functional Programming Principles in Scala with distinction
2006	Sun Certified Java Programmer 4.0

Challenges

2007	Winning the Elca Scripting Challenge, Ticket for Jazoon 07

Opensource Projects the ones worth mentioning

2014	Plugin for Intellij IDEA: Tapestry 4.1 support, currently 298 downloads on 2016

Children (yes, they are accomplishments!)

1.10.2001	Marvin Stocker
16.11.2003	Andreina Stocker
19.8.2008	Lynn Stocker

Languages

German	First Language

English	Very Fluent
French	was fluent once, still like it
Spanish	was speaking it fluent a long time ago

Interests Besides Programming

archery	Traditional archery, american longbow, instructor
geocaching	When nerds go outside ;)
go	Ancient asian board game
chess	strategy board game
swimming	freestyle, triathlon
reading	mostly fantasy novels

Languages

	very good	good	medium	basic
Java	√			
Scala	√			
Python	√			
C/C++				√
Groovy		√		
R			√	
Ruby				√
Javascript		√		
Bash (*nix)	√			