**Berater für Cloud Architecture, DevOps, Quality Management und Assurance, Agile Software Entwicklung, CI/CD und Test**

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| *Jahrgang 1979. Geboren in Heidelberg, Abitur, Studium und Zertifikate in Informatik, 20 Jahre einschl**ägige Berufserfahrung in Unternehmen wie Microsoft, Akamai, Yahoo, Intel bevor ich mich für ein millionenschweres Grossprojekt der MunichRE selbstst**ändig gemacht habe.* | OLE-Objekt |

**Agiles Mantra**

"Just as the combined efforts of the powers-that-be in the 16th and 17th Centuries were unable to halt the progress of Copernicus’ Revolution in astronomy, so also today's big hierarchical bureaucracies, though seemingly all-powerful, will ultimately succumb to the power of a better idea for running organizations better for customers, better for employees, better for managers, better for society, and better for the organizations and their investors."

- Steve Denning, Forbes, 2013

**Berufserfahrung**

**Cloud Infrastructure, CI/CD, Test Automation, Full Stack Developer**

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| **Name des Unternehmens** | Munich Re (Group) |
| **Projektzeitraum** | Juni 2016 - Maerz 2019 |
| **Projektdauer** | 2 Jahre 10 Monate |
| **Standort** | München und Umgebung, Deutschland |

Software Engineer and Cloud Infrastructure Architect with a high focus on security, reliability and uptime as well as training developers and operation engineers introducing, deploying and maintaining technologies such as **Linux, Kubernetes, CoreOS, OpenShift, AWS and AWS CLI Scripting, Azure, Docker, Dockerhub, Prometheus, Jenkins, Helm Scripting**, **Python Scripting**, **Groovy Scripting**, **Bash Scripting,** Browserstack, Webdriver, Selenium, Apium, Leapwork and C# Development, Angular4, TypeScript, Ionic4, Node8, **Swagger, Apiary, iOS, Android Nougat, BuddyBuild**, **Codeship Scripting, Gitlab Scripting, Github, Bamboo, Bitbucket Scripting**, **Logentries,** AndroidSDK, XCode, Slack Scripting, JIRA Scripting, Confluence, NodeJS, npm, bower, Jasmine, Karma to build the best **Insurtech Mobile App on Android and iOS** as well as the necessary **Multi-Clustered, Multi-Staged Kubernetes Infrastructure** for MunichRE and their Clients, such as MSV Life Malta and Fidelidade Portugal.

I also helped deploy and maintain the **Fund Management Software in Java, Springboot and PSQL**. **I** **scripted** **and** **deployed 144 Docker scripts and containers** in 4 weeks and **re-factored the necessary APIs in the Backend in Java, Maven, TypeScript, NodeJS and migrated all systems to Mongo Atlas, Elastic Cloud and CoreOS (RedHat OpenShift)** and then **trained a team of 4 Operation Engineers** to take over IT Operations within the company and report to the Cxx-level Board.

[**S**](https://www.linkedin.com/company/rtl-group/)**oftware & Big Data Engineer**

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| **Name des Unternehmens** | RTL Group |
| **Beschäftigungszeitraum** | Juni 2014 - Feb. 2016 |
| **Beschäftigungsdauer** | 1 Jahr 9 Monate |
| **Standort** | München und Umgebung, Deutschland |

► Big Data Analysis with **Apache Spark, Python, AWS EMR, Hadoop**, mrjob, luigi  
► **Scalable Machine Learning**, Predictive Data Analysis, Statistical Methods  
► **TDD** with Jasmine, Karma, Mocha, Chai, Should, Expect, Sinon, Grunt, Git Workflow  
► **Requirements Analysis**: Providing measurable results from analytical efforts, especially in the realm of Software Architecture and Engineering with tools like **UML, Data Modelling, Data Flow Diagrams, Use Cases, Function Point Analysis with ISO/IEC 20926:2003, Process Maturity and Capability Maturity Model Integration**  
► **Building APIs and MongoDB Databases** for Backoffice and high traffic Web sites in AngularJS and NodeJS, impacting 27 Mio Unique Users  
► **Training colleagues** in Test-Driven Development Methods and other technologies.   
►Working with **MongoDB, PostgresSQL, SAP BO, Google DFP**  
► **Continuous Integration with Grunt, Git Workflow and Atlassian Bamboo**

**Cloud Operations and Software Engineer**

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| **Name des Unternehmens** | Yahoo |
| **Beschäftigungszeitraum** | Nov. 2011 - Nov. 2012 |
| **Beschäftigungsdauer** | 1 Jahr 1 Monat |
| **Standort** | München und Umgebung, Deutschland |

► As a Cloud Operations and Software Engineer of Yahoo! PartnerOps I **build a Server ecosystem across the globe in RedHat Linux** to host clients as Aol, Dailymotion or British Telecom on the Yahoo! Ad platform.   
► I implemented a **Security Concept in ISMS (BS 7799)** and developed a diverse toolkit such as search analytics software in **PHP and SQL** to ensure individual contract values over € 1 Mio.

[**Technical Support Engineer**](https://www.linkedin.com/company/akamai-technologies/)

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| [**Name des Unternehmens**](https://www.linkedin.com/company/akamai-technologies/) | Akamai Technologies Inc. |
| **Beschäftigungszeitraum** | Sept. 2011 - Nov. 2011 |
| **Beschäftigungsdauer** | 3 Monate |
| **Standort** | München und Umgebung, Deutschland |

Technical Support Engineer for Enterprise Customers of the Global Akamai Content Delivery Network, **AdaptiveStreaming, EdgeComputing, CloudComputing, DNS, FastHTTP, Linux Server** and various other products and technologies.

[**Software Engineer Working Student**](https://www.linkedin.com/company/intel-corporation/)

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| [**Name des Unternehmens**](https://www.linkedin.com/company/intel-corporation/) | Intel Corporation |
| [**Beschäftigungszeitraum**](https://www.linkedin.com/company/intel-corporation/) | Mai 2011 – Okt 2011 |
| [**Beschäftigungsdauer**](https://www.linkedin.com/company/intel-corporation/) | 6 Monate |
| [**Standort**](https://www.linkedin.com/company/intel-corporation/) | München und Umgebung, Deutschland |

During my studies at the **University of Oxford** I‘ve been a **Software Engineer at Intel Mobile Communications** to extend a reverse engineering information system in **JavaEE** and secure user access via **NTLM security realms** as well as refactoring the **Oracle Database with PL/SQL scripting**.

**Technical Support Engineer for Windows Server**

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| **Name des Unternehmens** | Microsoft |
| **Beschäftigungszeitraum** | Apr. 2007 – Apr. 2009 |
| **Beschäftigungsdauer** | 2 Jahre |
| **Standort** | München und Umgebung, Deutschland |

I worked for Microsoft as an Technical Support Engineer hand in hand with IT managers of defense, banking, high-tech or the Government to debug and solve increasingly complex technical problems, regarding, for example **Certificate Stores, SSL, TCP/IP, TKIP, Kerberos, NTLM or Software Development** issues in **Windows Server Technologies**. Ensured individual contract renewal worth over € 2 Mio.

**Network Engineer and Developer**

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| **Name des Unternehmens** | HDPnet GmbH |
| **Beschäftigungszeitraum** | Jan. 2002 - Dez. 2006 |
| **Beschäftigungsdauer** | 5 Jahre |
| **Standort** | Heidelberg und Umgebung, Deutschland |

For 5 years I’ve been a Network Engineer and Developer at HDPnet, **building and maintaining** **IT Networks** with **On Premise Windows Server, Debian Linux** **SSL, TCP/IP and DNS** for the **Sparkasse Gruppe AG**, **GAH AG** or Europe‘s most established law firm **Hengeler Mueller** in order to secure our clients‘ IT systems and ensure future contracts over € 500K each.

**Ausbildung**

[**University of Oxford**](https://www.linkedin.com/school/12716/?legacySchoolId=12716), 2011

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| **Name des Abschlusses** | Advanced Undergraduate Diploma |
| **Studienfach** | Computerwissenschaft |
| **Abschlussnote** | Distinction, Summa Cum Laude |
| **Aktivitäten und Verbände in Oxford** | Team leader (elected democratically) |

Course about Software Engineering, Requirements Analysis, UML, Database Modelling and Team Management.

[**The Open University**](https://www.linkedin.com/school/12659/?legacySchoolId=12659), 2010

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| **Name des Abschlusses** | BSc (Hons) |
| **Studienfach** | Computing & IT |

**Bescheinigungen und Zertifikate**

**Transforming Business, Society, and Self**, 2016

MIT Sloan School of Management

Abgeschlossen: Sept. 2015

[**University of California, Berkeley - Verified Certificate for Scalable Machine Learning**](https://www.linkedin.com/company/edx/), 2015

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| Aussteller | EdX, University of California |
| [Ausstellungsdatum](https://www.linkedin.com/company/edx/) | Aug. 2015 |
| Zertifikats-ID | c8c93a29af784b9fa3d20d85d53ed8c4 |
| [Nachweis anzeigen](https://s3.amazonaws.com/verify.edx.org/downloads/c8c93a29af784b9fa3d20d85d53ed8c4/Certificate.pdf) |  |

**University of California, Berkeley - Verified Certificate for Introduction to Big Data with Apache Spark,** 2015

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| Aussteller | EdX, University of California |
| [Ausstellungsdatum](https://www.linkedin.com/company/edx/) | [Juli 2015](https://www.linkedin.com/company/edx/) |
| Zertifikats-ID | ebb9a9d406064513a25732d53e72c299 |
| [Nachweis anzeigen](https://s3.amazonaws.com/verify.edx.org/downloads/9e3f18d0ca9b4e8eb96b05e148079bc7/Certificate.pdf) |  |

[**LPIC-1**](https://www.linkedin.com/company/linux-professional-institute/), 2010

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| **Aussteller** | Linux Professional Institute |
| [**Ausstellungsdatum**](https://www.linkedin.com/company/linux-professional-institute/) | [Juni 2010](https://www.linkedin.com/company/linux-professional-institute/) |
| [Zertifizierung verifizieren](https://cs.lpi.org/caf/Xamman/certification/) | LPI000206975 / x34pm7gjvq |

**Git Real,** 2009

Concepts of Git version control. Explore staging, cloning, branching, and collaborating with Git.

Ausgestellt von: Code School

**Ehrenamt**

**Party executive District of Munich**

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| [**Name des Unternehmens**](https://www.linkedin.com/company/piratenpartei-deutschland/) | [Piratenpartei Deutschland](https://www.linkedin.com/company/piratenpartei-deutschland/) |
| **Zeitraum** | Okt. 2009 – Okt 2010 |
| [**Dauer**](https://www.linkedin.com/company/piratenpartei-deutschland/) | 12 [Monate](https://www.linkedin.com/company/piratenpartei-deutschland/) |

**Kenntnisse und Fähigkeiten**

**Programmiersprachen & Technologien**

* Red Hat Enterprise, Debian, SuSE, Gentoo, Kali, ElementaryOS, Fedora Linux, FreeBSD
* Bash / Python Scripting
* GoLang / Groovy Scripting
* AngularJS 1,2,4+
* NodeJS, Zeit Now, JavaScript, ECMA Script, TypeScript, CoffeeScript
* ExpressJS, Jasmine, Karma, Mocha, Expect, Should, Protractor, Selenium
* MongoDB, MariaDB, MySQL, OrcacleDB, PSQL
* HadoopFS, XFS, EXT4, Apache Spark, Linux Kernel Administration
* Git Workflow Automation, Helm CI/CD Automation Scripting
* Grunt, NPM, JSON Scripting
* UML Graphical Design
* Apache, NGINX, Windows IIS, SimpleHTTP scripting
* DNS, SSLv3, HTTPS, TCP/IP, ISO/IEC 27001, Kubernetes RBAC, Kube-DNS, Kerberos, NTLMSSP
* Linux systemd, Bootloader, daemon/service Scripting

**Methoden Kenntnisse**

* Software Technik, Object Oriented Modeling, Data Modelling, UML, MVC, MMVC
* Data and Systems Analysis, Requirements Analysis, Software Development Process Models
* Algorithmen Effizienzanalyse, Maschinelles Lernen, Data Science, Statistik
* Testgesteuerte Entwicklung, Testautomatisierung
* SCRUM, Agile Projektverwaltung, DevOps (Unterrichtung und Anwendung)

**Empfehlungen**

[**Stefan Dirnstorfer**](https://www.linkedin.com/in/stefan-dirnstorfer-25757b86/)

[CTO at Thetaris GmbH](https://www.linkedin.com/in/stefan-dirnstorfer-25757b86/)

18. September 2019, Stefan Dirnstorfer war unmittelbare/r Vorgesetzte/r von Stephan Kristyn.

I had the great pleasure to work with Stephan Kristyn for almost 3 years. We were working on a mobile application infrastructure for one of our clients. Stephan often took the initiative to push the project in difficult situations. With high motivation he introduced Kubernetes to our team and migrated the build pipelines. He set up and integrated automated testing and test reporting frameworks. He also showed deep understanding in our efforts to build, deploy and publish our Ionic based App to the stores. As an evangelist of the scrum methodology he helped us to stream line the process. His overall skills span a wide range of technologies from the entire DevOp stack. He was always eager to learn new stuff and never shyed away from getting his hands dirty.

* [**Ewgeniy Oganian**](https://www.linkedin.com/in/ewgeniy-oganian-11220236/)

[Founder / CEO at escs - eSports](https://www.linkedin.com/in/ewgeniy-oganian-11220236/)

14. April 2019, Stephan Kristyn hat mit Ewgeniy Oganian in der selben Gruppe gearbeitet.

It is rare that you come across standout talent like Steve. I had the pleasure of working with Steve for 2 years, collaborating on several project teams, like Mobile App Development or Building Continuous Delivery Pipelines. Steve's ability to juggle multiple complex software projects, be it latest Cloud Infrastructure or CI/CD Technologies was amazing and made a great difference in the productivity level of our team. Oh, and he made sure our work desks were never without Whiteboard Markers, screen adapters or even mechanical keyboards, Very motivating.

* [**Hynek Lavika**](https://www.linkedin.com/in/hynek-lavička-8b66645/)

[Quantitative developer at Thetaris](https://www.linkedin.com/in/hynek-lavička-8b66645/)

[4. März 2019, Stephan Kristyn hat mit Hynek Lavika in der selben Gruppe gearbeitet.](https://www.linkedin.com/in/hynek-lavička-8b66645/)

We worked with Stephan on a project since 2018 to 2019 as a peer developer. He is excellent engineer that knows his profession and is competent to deal with superiors. His main competences are knowledge of Internet technologies, Python 2/3 and its components and agile software development. Steve is also friendly colleague that is able to discuss issues and to learn new technologies. Foremost, he is performance oriented. I very regret that the project was discontinued and we could not work jointly together.

[**Michael Schumacher**](https://www.linkedin.com/in/michael-schumacher-96a3a986/)

[Never leaving Munich!](https://www.linkedin.com/in/michael-schumacher-96a3a986/)

15. Mai 2016, Michael Schumacher war ein/e ranghöhere/r Kollege/in, aber nicht unmittelbare/r Vorgesetzte/r von Stephan Kristyn.

Stephan has a huge knowledge in many areas, especially in a Linux environment next to being very much able to think about breaking mind-related limits, who exist for other people. I also liked very much in talking to Stephan as one can learn a lot from him when listening.

[**Piotr Piwowarczyk**](https://www.linkedin.com/in/piotrpiwowarczyk/)

[Senior AdTech Developer bei MAIRDUMONT NETLETIX](https://www.linkedin.com/in/piotrpiwowarczyk/)

13. Mai 2016, Piotr Piwowarczyk hat in unterschiedlichen Gruppen mit Stephan Kristyn zusammengearbeitet.

Stephan is a gifted engineer and proficient developer with a deep understanding of Internet technologies. He is a great team player who doesn't hesitate to get into the action if necessary. His open-minded approach not only allows him to solve problems in a highly efficient way but also reflects the methodologies and software concepts he applies.

* [**Felix Wrede**](https://www.linkedin.com/in/felix-wrede-0a3a67ab/)

[Technical Solutions Engineer bei Criteo](https://www.linkedin.com/in/felix-wrede-0a3a67ab/)

12. Mai 2016, Felix Wrede hat in unterschiedlichen Gruppen mit Stephan Kristyn zusammengearbeitet.

Stephan and me worked together in one major project in 2015 and 2016. It was a pleasure to collaborate with him, as Stephan is inventive, has a profound technical knowledge and was eager to share his ideas and approach. I remember Stephan as a sociable and humorous colleague and wish him all the best for his future!

**Qualifikationen und Auszeichnungen**

**Hochschulkurse**

* Software Engineering (University of Oxford)
* Algorithms, data structures and computability (Open University)
* Networked living: Exploring ICTs (Open University)
* Putting Java to Work (Open University)
* Big Data Analysis (Berkeley)
* TheoryU (MIT)
* GitSchool (Online)

**Sprachen**

* Deutsch
* Englisch
* Französisch

**Auszeichnungen**

* Microsoft Gold Team Award
* JP Barlow (EFF) Honorable Mention of NGO (2010)

**In den letzten 20 Jahren zusammengearbeitet mit:**

* Yahoo! Deutschland GmbH
* University of Oxford
* Yahoo! Partner Operations
* Intel Corp.
* Intel Mobile Communications GmbH
* Monks Ärzte im Netz GmbH
* Propertybase GmbH
* Microsoft Deutschland GmbH
* MSN.fr
* Sparkasse Group AG
* Hengeler Mueller
* GAH Group AG
* BASF AG
* BMW Group
* European Space Agency
* Federal Criminal Police Germany
* Google Inc.
* Julius Baer Group
* Max-Planck-Institut
* Siemens AG

**Veröffentlichungen**

* Dijkstra's algorithm and extraction of medical imaging of the celebral vasculature
* Datenschutz in Deutschland und in der Europäischen Union

**Interessen & Netzwerke**

* Agile Munich Meetup Group
* Stoos Network
* Oxford Alumni Network
* Gemeinwohloekonomie