

# Alexander-Derek Rein, B.Sc.

Software Development Engineer & IT Consultant

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Nationality: German  
Date of Birth: 1/17/1991, Munich



## Profile

Strong expertise in software development including programming languages, software patterns and designing software architectures. Hands-on experience with managing complex project schedules and estimating software development time and costs. Very results-driven, sharp analytical skills, inspiring communicator, both team-player and leader.

## Work Experience

### Founder, Track My Life; Munich, Germany - 2012-now

Track My Life is an app that tracks its users' location automatically in the background. The innovative concept paired with excellent execution made Stephen Elop testify "The app I can't live without is Track My Life"<sup>1</sup>.

Main Achievements:

- Design and realization of sophisticated cluster and machine learning algorithms on Windows Phone, iOS, and Android
- Excellent end-user relations. Nokia Developer recommended Track My life's feedback area as a best practice example to other app developers<sup>2</sup>
- Won the World Youth & Travel Conference App Yap Contest (5000\$ in prizes) among many other competitions and prizes

### Founder & CEO, Ceseros; Munich, Germany - 2010-now

Ceseros focusses on server, desktop, app, and web development for both, large companies and startups.

Main Achievements:

- Realization of client projects in C#, Java, Javascript, Objective-C, PHP, and other languages using various software development frameworks
- Project planning including requirements engineering, software design and specification
- Accurate estimation of development time and costs. Management of complex project schedules
- Incubation and management of a seven person team. Demonstrated leadership as well as team-work skills

### Research Assistant, Software & Systems Engineering Research Group (SSERG), University of Helsinki; Helsinki, Finland - 2012-2013

SSERG fosters the academic and industrial development on Software Systems Engineering including Software Measurement, Process Engineering, Cloud-based Software Engineering, Global Software Engineering and Empirical Software Engineering.

Main Achievements:

- Contributed the paper "Feature Prioritization Based on Mock-Purchase: A Mobile Case Study" to the Lean Enterprise Software and Systems Conference in Galway, Ireland. The paper will be published by Springer
- Conception and implementation of the research group's website and publication system. Planning and execution of promotional material such as a movie about SSERG's lab "Software Factory" with partners from Tieto and F-Secure
- Organization of the workshop "Cloud 2017" with business partners such as Ericsson and F-Secure

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<sup>1</sup> Garside, J.: Stephen Elop: 'There are moments when you fall short of expectations' (2013), The Guardian, Available online at <http://www.theguardian.com/technology/audio/2013/apr/01/nokia-chief-executive-stephen-elop-audio-interview>; visited on October 10 2013

<sup>2</sup> Nokia Developer Experience Team Deutschland email to "Lumia" developers on May 28 2013

## **Software Developer & IT Consultant, ADR Software Development; Munich, Germany - 2006-2010**

Working for both startups and larger companies as independent software developer and IT consultant focusing on database management systems, enterprise software as well as app and web development.

Main Achievements:

- Learned how to manage my own business and how to acquire customers as well as to meet their expectations
- Realized complex projects within tight schedules

## **Education**

### **Technical University of Munich, Munich, Germany - Computer Science Master Program, since 2013**

- Currently studying in the second semester. High above average results with a GPA of 1.6 (best possible GPA is 1.0 and worst possible GPA is 5.0)
- Core Subjects: Software & Systems Engineering and Efficient Algorithms & Data Structures
- Currently carrying out interdisciplinary research with the faculty of economics & law that aims to enable train passengers to claim refunds in case of longer delays with their smartphones

### **University of Helsinki, Helsinki, Finland - Bachelor Thesis & Semester Abroad, Fall/Winter 2012 & Spring/Summer 2013**

- Thesis "Anonymisation and Disposal of Location Data in Location Aware Mobile Applications" (best possible grade) and best written exam in the course Human Computer Interaction.
- High above average results with a GPA of 4 (best possible GPA)
- Third prize among more than 70 contributions in the competition "Research & Science Abroad" hosted by the Technical University of Munich

### **Technical University of Munich, Munich, Germany - Information Systems Bachelor Program, 2010-2013**

- Third prize in the category "World Citizenship" at Microsoft's Imagine Cup with the smart home/smart office Windows 8 application "Energy Inspector"
- Completed introductory and advanced curriculum including Fundamentals of Software Engineering, Introduction to Information Systems, Discrete Math, Computer Engineering, and Linear Programming
- Gathered deep knowledge on applying software patterns in Windows Phone that resulted in the best work in the "Software Engineering for Mobile Devices using Windows Phone" course

### **Gymnasium Pullach, Pullach (near Munich), Germany - Abitur, 2001-2010**

- Main Subjects: Mathematics, Economics, French, History
- Self-organized year abroad in four different cities in France
- Founded the school's soccer club, a regional soccer tournament, and the school's magazine "Sprachlos" with regular advertisement clients such as Linde, Bang & Olufsen, and Sixt
- Students' spokesman in 2007 and 2008

## **Skills**

- English (fluent), French (advanced)
- Photography: own photo studio equipment

## **Other**

- One of the first members at Wikimedia Germany
- Regular at political meetups
- 2013-now: Founded the Windows Phone User Group in Munich
- 2011-now: Founded an IT workgroup at the local branch of the acting political party in Bavaria
- 2007-2009: Vice President of the Schüler Union in Bavaria (Schüler Union is the youth organization of the acting political party in Bavaria)