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"[1].

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[2]
- 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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[1] 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

[2] 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 price 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)