

Robert Andruschow

SOFTWARE ENGINEER · MATH STUDENT

Berlin

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Math-thinking driven Software Engineer. Student of Engineering Mathematics.

Education

Technische Universität Berlin

Berlin, Germany

B.Sc.(1.8) + M.Sc.(UNFINISHED) ENGINEERING MATHEMATICS (TECHNOMATHEMATIK)

Oct. 2007 - PRESENT

- Foundation of mathematical background: Linear Algebra, Analysis, Differential Equations, Numerics, Probability Theory
- Some education in programming, algorithms and technical engineering
- Specializing in differential equations theory, -modelling and -numerics and non-linear optimization
- Exploring the scientific field of Machine Learning

Jobs and Projects

Lebenshilfe Leipzig e.V. - Haus Rosenweg

Leipzig, Germany

ALTERNATIVE CIVILIAN SERVICE

2006 - 2007

- Working with mentally disabled people

Studentenring

Berlin, Germany

AFTER-SCHOOL TUTOR

2009 - 2011

- Teaching students in mathematics

Developing a software for the Pawn Shop Business

Berlin, Germany

SELF-EMPLOYED

2011 - 2013

- Development of a rich-client app in C# and .net

Bonial.com (kaufDA.de|retale.com|bonial.fr)

Berlin, Germany

BACKEND DEVELOPER / WORKING STUDENT

Jul. 2011 - PRESENT

- Implementing web apps, KPI logic and b2b logic in spring-* and grails
- Maintaining main notification system
- Dealing with design and migrations of various db systems
- First steps using auto-scaling patterns, anti-trainwreck patterns, Microservices, AWS and Behaviour Driven Development/Automated testing approach
- Working in an international always-growing and -learning IT team using Scrum and Kanban

Experience

+ FIRST-STEPS EXPERIENCE	++ FREQUENT HANDS-ON EXPERIENCE	+++ LOTS OF EXPERIENCE
+++ java <= 8	+++ spring-core	
+++ groovy	+++ grails <= 2.*	
+++ hibernate	+++ postgres	
+++ git	+++ unit/integration testing	
+++ ActiveMQ and JMS	+++ Web scraping	
++ spring-boot	++ spring-web-mvc / spring-data-*	
++ Microservices	++ AWS ELB	
++ BDD	++ TDD	
++ mysql	++ mongodb	
++ python	++ numpy and scipy	
++ MATLAB	++ L ^A T _E X	
++ C#	++ .net	
+ Machine Learning	+ System Administration	
+ RxJava	+ Terraform	
+ Puppet		