

Robert Andruschow

SOFTWARE ENGINEER · MATH STUDENT

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

Education

Technische Universität Berlin

Berlin, Germany

B.Sc. + M.Sc. 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 pupils 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 rails
- 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 ++ ADVANCED HANDS-ON EXPERIENCE +++ LOTS OF EXPERIENCE

+++	java	+++	spring-core
+++	groovy	+++	grails
+++	hibernate	+++	postgres
+++	git	+++	unit/integration testing
+++	ActiveMQ and JMS		
++	spring-boot-*	++	spring-web-*
++	Microservices	++	AWS ELB
++	BDD	++	TDD
++	mysql	++	mongodb
++	python	++	numpy and scipy
+	Machine Learning	+	System Administration
+++	Web scraping	++	MATLAB
++	LaTeX	+	RxJava
+	Puppet	+	Terraform