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