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# Philip Poloczek

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## Education

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<b>Berlin, Germany</b>	<b>Technical University of Berlin (BIT)</b>	<b>October 2015</b>
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- Master of Science in Computer Science. GPA: 3.6, German Grade: 1.8

<b>Mannheim, Germany</b>	<b>Cooperative State University Mannheim (DHBW)</b>	<b>September 2013</b>
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- Bachelor of Engineering in Information Technology. GPA: 3.3, German Grade: 1.9

## Relevant Courses

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| <ul style="list-style-type: none"><li>• Distributed Systems</li><li>• Enterprise Computing</li><li>• Managing Complex IT Systems</li></ul> | <ul style="list-style-type: none"><li>• Embedded Operating Systems</li><li>• Mobile Services</li><li>• Strategic Employee Development</li></ul> |
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## Experience

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<b>Full Stack Developer</b>	<b>Talentwunder GmbH</b>	<b>October 2014 – Present</b>
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Tech Employee number two

- Rebuilt Java Server Pages frontend as Single Page Application using React
- Revised script-based manual data processing pipeline as automatable stream-based process using AWS SQS, Kinesis and EMR
- Evaluated and integrated DMBSs (HBase, Cassandra, MongoDB and Redis) for specialized tasks

<b>Cooperative Student &amp; Working Student</b>	<b>German Aerospace Center (DLR)</b>	<b>Sep. 2010 – Sep. 2013</b>
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Department Spacecrafts in Göttingen, Germany and Engine Acoustics in Berlin, Germany

- Extended a measurement evaluation DSL and corresponding interpreter with the ability to calculate aerodynamic specific quantities
- Enabled real time collaborative features in an Eclipse RCP based DSL editor
- Improved code quality of engine acoustics simulations by mentoring team of programming physicists in Continues Integration, Test Driven Development and Agile Project Management

## Skills

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- Programming Languages: Javascript, Java, Groovy, Scala, C, C++, C#, Bash, Python, Go, SQL, HTML, CSS, Ruby, Lua
  - Technologies: Big Data Analytics, Cloud Infrastructure, Networking, NoSQL, Relational Databases

## Projects

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- **Aves** (<http://getaves.com/>) Setup free web Text-to-Speech solution written in Node.js using React, DynamoDB, Polly, API Gateway and Lambda
  - **papr** (<https://github.com/Pczek/papr>) Paper calendar generator written in Python using Cairo and Pango
  - **Ludum Dare 31 Entry NPSS2014** (<https://github.com/Pczek/NPPS2014>) Nuclear Power Plant Simulator game made on my own in 48 hours from scratch during the Ludum Dare video game development competition