

# Piotr Findeisen

## Professional experience:

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| January 2017<br>–<br>August 2017 | <b>Software Engineer (PrestoDB team) at <a href="#">Teradata</a></b> <ul style="list-style-type: none"><li>• developing <b>core functionality</b> (e.g. Spill to Disk, Cost Calculations for Cost-Based Optimizer, Correlated Semi Join, Semantic Analyzer)</li><li>• <b>code reviews</b> (internal, Facebook's and community)</li><li>• participating in design (e.g. Memo-Based Optimizer)</li><li>• popularization (Strata London conference)</li></ul>                                                                                                                                                                                                                                                                                                                                     |
| March 2016<br>–<br>December 2016 | <b>Team Leader / Software Architect at <a href="#">Synchron</a></b> <ul style="list-style-type: none"><li>• <b>leading 2 teams</b> in the Inventory Management, the most complex and most profitable Synchron product</li><li>• responsible for application's overall performance, especially <b>back-end calculations' performance</b></li><li>• <b>Statistical Forecasting</b> (demand predictions based on multiple factors)</li><li>• Simulation module for trying configuration changes</li><li>• participating in scope prioritization and planning</li><li>• taking part in setting department-level processes, like recruitment, evaluation, etc.</li></ul>                                                                                                                            |
| June 2012<br>–<br>February 2016  | <b>Team Leader / Software Architect at <a href="#">Synchron</a></b> <ul style="list-style-type: none"><li>• <b>leading a team</b> in the Business Process Platform, a solid feature-full <b>foundation for all Synchron products</b></li><li>• responsible for multiple Platform modules, incl. full integration stack, database management, database connectivity, database management (e.g. automated upgrades), persistence, web service layer, audit trail, scheduler and more</li><li>• planning release scope with accordance to business demand and internal, long-term needs</li><li>• gathering user/stakeholders' requirements, designing solutions</li><li>• responsible for timely deliveries by team members</li><li>• implementing features, analyzing and fixing bugs</li></ul> |
| August 2010<br>–<br>June 2012    | <b>Senior Software Developer at <a href="#">Synchron</a></b> <ul style="list-style-type: none"><li>• working on Business Process Platform, a solid feature-full foundation for all Synchron products</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

- implementing features, analyzing and fixing bugs
  
- July 2008  
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 April 2010
  - **System Architect** at Azouk
  - working in a startup on a semantic search engine and a portal allowing content aggregation and publishing
  - implementing system logic, back-end services, high-availability infrastructure and AJAX-rich front-end
  
- April 2007  
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 June 2008
  - **C/C++ Developer** at [Gemius](#)
  - implemented extremely fast and efficient compression algorithm for large volumes of Internet traffic data (optimal algorithm was determined using **genetic algorithm** on algorithms)
  - implemented super fast data export to MySQL databases (bypassing MySQL server; required analyzing large portions of MySQL code)
  - re-wrote company's internal high speed message bus
  
- July 2007  
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 Sept. 2007
  - **Software Developer In Test intern** at [Microsoft](#), Redmond (Application Compatibility, Windows Serviceability)
  - working on a distributed system for storing, browsing and editing Test Case Outlines and specific Test Cases (implemented in C#, MSSQL)
  
- October 2006  
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 June 2007
  - working on second generation of [Olympiad in Informatics](#) On-line System (implementation in Python, Qt, SQL)
  
- January 2005  
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 March 2007
  - developer at Odpowiedz.pl, responsible for creating and maintaining web services: complex mailing system, content management system and other (implementation in PHP, MySQL, shell scripts)

## Education:

- 2004  
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 2009
  - Warsaw University, [Faculty of Mathematics, Informatics and Mechanics](#)
  - **Master's Degree with honors in Computer Science**, thesis on Distributed Systems "Multiplexer, an efficient communication tool for distributed systems" (2009; [implementation in C++ and Python](#), later commercially implemented [Java client](#) and re-implemented [server](#) in Java)
  - **Bachelor's Degree in Mathematics** in the field of Algebra (2008)
  - Average of all grades during studies: 4.81 / 5
  - **academic scholarship** of the Faculty of Mathematics, Informatics and Mechanics, Warsaw University – **every year**

- interesting programming projects: own compiler, programming in Linux kernel

2000 – 2004 Stanisław Staszic XIV High School in Warsaw, **mathematical-experimental class**

- XXVII **Austrian-Polish Mathematical** Competition, **4<sup>th</sup> place** (2004)
- Polish National Education Minister **scholarship for exceptional educational achievements** (2004)
- LV Polish Olympiad in **Mathematics**, **7<sup>th</sup> place** (2004)
- LIII Polish Olympiad in **Physics**, **7<sup>th</sup> place** (2004)
- X **Physics** Contest by Warsaw University of Technology, **winner** (2004)
- LIV Polish Olympiad in **Mathematics**, **finalist** (2003)
- IX **Physics** Contest by Warsaw University of Technology, **8<sup>th</sup> place** (2003)
- VIII **Physics** Contest organized by Warsaw University of Technology, **distinguished finalist** (2002)

#### Other skills and acquired technologies:

programming languages:

- **current & good** experience: Java, Bash, SQL
- **good** past experience: Python, C++ (incl. metaprogramming), C (incl. programming in preprocessor), Javascript
- past experience (working level): OCaml, Smalltalk

technologies & tools:

- current & good experience: Spring, Hibernate, JBoss/WildFly, PostgreSQL, git
- moderate or past experience: docker, Ansible, JSF, jQuery, HTML, CSS, Django, VMWare, OpenVZ, WebSphere MQ, Google Web Toolkit, Protocol Buffers, svn, cvs, darcs
- distributed programming, parallel programming, functional programming, Linux kernel programming

foreign language: English, Cambridge Certificate in Advanced English, grade A