

## Karol Bienkowski

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*A fan of good design (usually object-oriented) and long-term quality. Happy to quickly prototype and analyze data. 10+ years of tech experience. Worked at scale (at Amazon), on products (at Synchron) and academic problems (at Empolis). In Java, Python, JavaScript.*



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## Experience

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### Amazon | Software Development Engineer (Python, Java)

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*Mar 2013 – Present (2 years)*  
*Toronto, Canada*

Full-stack developer in GIP\*. Created and operated scalable services and portals running on the Amazon cloud. Involved in data analysis. Technical team leader since Q3 2014.

*Technology stack: Python (Pandas), Java, HTML (JavaScript, jQuery, Bootstrap), SQL and NoSQL, Amazon Web Services*

*\*GIP (Global Inventory Platform) designs the Amazon fulfillment network. We apply scalable graph algorithms and machine learning to optimize product flows between factories, sea ports and warehouses.*

### Synchron | Software Architect, Team Lead (Java EE)

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*Synchron is a Swedish supply chain software house, 120 employees*  
*May 2007 – Feb 2013 (almost 6 years)*  
*Warsaw, Poland*

Joined Synchron Warsaw (which quickly become Synchron's only R&D location) as one of the first employees, enjoying the start-up atmosphere; soon got responsible (as a team lead and architect since Jan 2009) for product development of Global Inventory Management\* and for cooperation with other teams to ensure successful customer installations (over 15 during my time at Synchron, including Deutsche Bahn and Volvo Construction Equipment).

*\*GIM is a supply chain planning software tool, with a statistical forecasting module, built on top of a configurable workflow engine, scaling to millions of item processed nightly, developed by a team of 8; technology stack: Java EE, JBoss, Spring, Hibernate, EclipseLink, Oracle, MySQL, JavaServer Faces*

### GTECH | Software Engineer (Java EE)

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*GTECH is an American gaming and lottery technology and service provider, 6000 employees*  
*Jan 2005 – Apr 2007 (2 years 4 months)*  
*Warsaw, Poland*

Developed (and led a team up to 8) a web front-end for Veikkaus (the Finnish national lottery and sports betting operator) meeting a high performance and availability bar.

## University of Warsaw | Laboratory Lecturer

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*University of Warsaw runs the Polish-top rated Computer Science faculty  
Oct 2003 – Feb 2004 (5 months)  
Warsaw, Poland*

Led a computer lab for the SGML/XML and knowledge management course.

## Empolis | Programmer and Designer (Java)

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*Empolis was a German content and knowledge management software house, part of Bertelsmann AG, 150 employees  
Sep 2002 – Dec 2004 (2 years 4 months)  
Warsaw, Poland*

Implemented XML and Semantic Web solutions, worked with W3C RDF.

## AleLunch.pl | Co-founder (Android, PHP)

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*An Android app and website (beta) for lunch menus in Warsaw, Poland  
2012*

Implemented the menu crawler and parser, co-authored the Android app and web page.

## Education

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### University of Warsaw

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#### **M. Sc., Computer Science**

*Polish-top rated Computer Science faculty, Warsaw, Poland  
Oct 1998 – Jun 2003 (5 years)*

Graduated with distinction (summa cum laude), GPA 4.7 out of 5.

### Achievements

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- Nationwide finalist of the XLIX Mathematics Olympiad for high school students (1998)

*The best way of reading code is to refactor it*

*Last updated: March 22, 2015*

*More information at [www.bienkowski.net/cv](http://www.bienkowski.net/cv) or [www.linkedin.com/in/bienkowski](http://www.linkedin.com/in/bienkowski)*