






## PERSONAL INFORMATION



## Paweł Cesar Sanjuan Szklarz.

 Warsaw (Poland)  
 (+48) 697482570  (+32) 484 29 74 50  
 p@eiipii.com  
 <http://eiipii.com/>

## PREFERRED JOB

Team leader

## WORK EXPERIENCE

11/04/2016–Present

## Senior java developer.

NATO, Brussel (Belgium)

- Security fixes and new features implementation for custom internal software systems.
- Design and deployment on DevLab based on Docker containers.
- Cooperation with external Penetration tester teams.

Technologies: Java, Docker, CentOS, Selinux, Ansible, w3af.

01/07/2015–30/04/2016

## Software architect.

COSMOSE sp. z o.o., Warsaw (Poland)

- Offline-Online tracking integration startup.
- Design and implementation of offline-online tracking algorithms.

Technologies: Ansible, CoreOS, Docker, Kafka, Spark, Scala.

07/04/2015–30/08/2015

## Senior java architect.

HRS - HOTEL RESERVATION SERVICE, Warsaw (Poland)

7N contractor (<http://www.7n.com/>).

- Design and implementation of service cloud for hotel reservation systems.
- Definition and implementation of new hotel reservation model based on event sourcing.

Technologies: Ansible, Vagrant, Docker, RabbitMQ, Spring 4.0, RxJava, Akka, Elasticsearch, LogStash.

01/04/2014–13/02/2015

## Senior java developer.

Hoffmann-La Roche (ADMD), Warsaw (Poland)

7N contractor (<http://www.7n.com/>).

- GDSR ( Global Data Standards Repository) project, releases 5.0,5.1,6.0.
- Design and implementation of frontend AngularDart model driven application and java backend.

Technologies: Dart, Java, Spring, OWL, Jena.

Business or sector Information and communication

14/12/2013–28/02/2014

## Senior java developer.

Signity, Warsaw (Poland)

<https://ms.gov.pl/en/national-registers/national-court-register/general-information-on-the-national-court->

register/

7N contractor (<http://www.7n.com/>).

Development of java modules for polish national system KRS.

**Business or sector** Information and communication

01/08/2013–31/10/2013

**Software developer.**

CitiGroup International sp., Warsaw (Poland)

Gateways implementation between financial services (Fix protocol)

**Business or sector** Financial and insurance activities

01/07/2012–31/07/2013

**Senior scala developer.**

Taptera, Warsaw (Poland)

<http://taptera.com/>

Development of backend services for mobile applications in scala. Implementation of frontend applications in javascript. Implementation of OAuth integration with custom identity providers.

**Business or sector** Professional, scientific and technical activities

01/07/2010–01/01/2012

**Senior java developer.**

Outbox z o.o.

ul. Grójecka 5, 02-019 Warsaw (Poland)

<http://outbox.pl/>

Maintenance and development of telecommunication systems.

**Business or sector** Information and communication

01/10/2008–01/06/2010

**Computer systems designer and analyst.**

ABG S.A. - Asseco Poland, Warsaw (Poland)

<http://asseco.com/pl/>

- Design of IT system architectures based on NAF v2.0,v3.0 (Nato Architecture Framework) and AEM v2.0 (Architecture Engineering Methodology)
- Implementation of NATO interoperability standards.
- Design and implementation of Semantic Search Service.
- Service Oriented Architecture prototype (DNS-SD, mDNS-avahi, dbus, dbus-java)

**Business or sector** Information and communication

01/10/2007–30/09/2008

**Computer systems designer and analyst.**

INSI z o.o., Warsaw (Poland)

- Implementation of extensions in WSMX orchestration abstract state machine to execute external use form based on WSMO form ontology.
- Design and implementation of semantic broker based on OWL ontologies.
- Build of OWL ontologies.
- Custom extension to XSLT (xalan,libxslt).

**Business or sector** Information and communication

01/12/2005–30/09/2007

**C developer.**

CC Otwarte Systemy Komputerowe Sp. z o.o.

ul. Rakowiecka 36, 02-532 Warsaw (Poland)

<http://www.cc.com.pl/>

- Implementation of internet applications.
- CGI applications to internet banking frontend.
- Integration by webservices to backend services.
- SSL Security audits. Bank system security audits and monitoring.
- Design and development of loan management systems.

Business or sector Information and communication

## EDUCATION AND TRAINING

01/10/1999–28/02/2005

### Master of Science

ISCED 5

Faculty of Mathematics Informatics and Mechanics at the University of Warsaw  
Banacha 2, 02-097 Warsaw (Poland)

Numerical methods specialization.

- Advance skills on mathematics modelling and problem solution.
- Implementation of finite element methods on C.

01/10/2000–31/05/2004

### Partial studies on Mechanical Engineering

ISCED 5

Faculty of Power and Aeronautical Engineering, Warsaw University of Technology  
Nowowiejska 24, 00-665 Warsaw (Poland)

Applied mechanics specialization.

Not graduated.

01/10/2010–Present

### Doctor of Philosophy

ISCED 6

Faculty of Power and Aeronautical Engineering, Warsaw University of Technology  
Nowowiejska 24, 00-665 Warsaw (Poland)

Development and implementation of control algorithms for nonlinear nonholonomic robots.

## PERSONAL SKILLS

Mother tongue(s)

Spanish, Polish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

- Good interpersonal relations
- Experience in international work environment

Organisational / managerial skills

- Active member of Warsaw Java User Group
- Team leader experience (5 person team)
- 5-30 group teaching experience
- Experience on international research groups (NATO)

Job-related skills

- Deployment of docker containers on CoreOS cluster

- Architecture development standards (NAF)
- internet standard's (HTML,CSS,XML,XSLT,RDF,OWL,WSMO)
- autor of open source sql extension to XSLT (libgda-xslt)
- Linux user experience (Gentoo, CentOS, Selinux)
- Knowledge of Java frameworks and tools: GWT, SpringMVC, Hibernate, Ibatis, Maven, ant, junit
- Ontology API experience: Jena
- CGI,FASTCGI applications development in C and Java- Perl scripting experience (+XML::Twig)
- C and Java development tools (Eclipse,IntelliJ,cvs,svn,mercurial,git,gcc,automake,cmake)
- Continuous Integration tools (Jenkins, ant, ivy, maven, gradle)
- Network configuration and monitoring experience. (Iptables and routing, OpenWRT, Tcddump, wireshark, custom linux kernel compilations, network bonds, vlan setups, vpn setup, flannel)
- Penetration testing and security fixes experience. (w3af, kali linux, java reverse engineering)

## Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

### Digital competences - Self-assessment grid

- Good knowledge of linux enviroment. Daily work on gentoo.
- Experience on development of formal grammar and parsers (Sablecc).
- Good knowledge of java language specification

## Other skills

- Excellent geometric orientation
- Planning and realization of 3D animations on ray-trace technology (PovRay)
- Realization of CSS layout on base of graphical specification

## ADDITIONAL INFORMATION

Wife and 2 daughters (9,6 years)

## Honours and awards

- 1998 International Mathematical Olimpiad (Mexico representation)
- 1998 Mexico Mathematical National Olimpiad - Gold medal
- 1997 Mexico Mathematical National Olimpiad - Silver medal
- 1996 Mexico Mathematical National Olimpiad - Silver medal
- 1995 Mexico Mathematical National Olimpiad - Bronze medal
- 1998 Mexico Chemistry National Olimpiad - Gold medal
- 1997 Mexico Chemistry National Olimpiad - Gold medal
- 1996 Mexico Chemistry National Olimpiad - Bronze medal

## Memberships

NATO secret clearance

## Memberships

Polish secret clearance

**Memberships** European secret clearance

**Projects** Executive director of Polish NCN grant 2011/01/N/ST8/01894 "Unified dynamic control strategy based on the error function".

**Projects** Author of training's:  
- Application Architecture Based on Docker Virtualization.  
- Docker deployment on CoreOS clusters.