# SŁAWOMIR ŚLEDŹ

**Functional programming enthusiast**

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## EXPERIENCE

### Haskell Plutus Developer

**BinarApps**

📅 May 2021 – Ongoing        📍 Warsaw, Poland

Developing decentralized finance (DeFi) platforms that enable economic empowerment for all. Implementing and writing smart contracts, being part of Plutus Pioneer Program.

### Senior Scala Spark Developer

**IQVIA**

📅 April 2021 – Ongoing      📍 Warsaw, Poland

Building an efficient data pipelines for data intensive workloads. Used technologies: scala, java, spark, kibana, hadoop, impala, sqoop, camunda

### Senior Scala Developer

**Procter and Gamble**

📅 January 2021 – July       📍 Warsaw, Poland

Building microservices from scratch, conducting trainings for team members on functional programming. Used technologies: scala, cats, fs2, azure, http4s, docker, doobie, mysql, msql, circe, cats effect

### Senior Technical Team Lead

**Cloud Technologies S.A.**

📅 Oct 2020 – January 2021    📍 Warsaw, Poland

Leading a team of 4 software engineers.
**Key responsibilities:**
- Mentoring
- Coaching
- Developing
- Team building
- Setting the technical direction
- Recruitment

## STRENGTHS

fp   design patterns   ml
dsl   compilers   devops
coaching   microservices   ddd
tdd   scrum   agile   uml
algorithms   puzzle solving
performance optimisation

cats   cats effect   fs2   http4s
circe   akka actor   doobie   slick
monocle   scalacheck   scalatest
guice   spring   jmh   scala meter
pure config   servlet   jpa   mockito
swing

kafka   hadoop   spark   cassandra
mysql   postgresql   mongodb
aerospike   hive   influxdb   grafana
jboss   jetty   tomcat   nginx   elk

docker   vagrant   git   svn   make
ant   gradle   latex   mvn   sbt
octave   ansible   linux   azure

## LANGUAGES

| | |
|---|---|
| scala | ●●●●● |
| java | ●●●●● |
| bash | ●●●●● |
| sql | ●●●●○ |
| ansi c | ●●●○○ |
| js | ●●○○○ |
| c++ | ●●○○○ |
| python | ●●○○○ |
| haskell | ●●●○○ |

# EXPERIENCE

### Senior Scala Developer
**Cloud Technologies S.A.**

📅 Sept 2018 – Oct 2020          📍 Warsaw, Poland

Development and maintenance of Real-Time Bidding (**RTB**) client platform. Developing the internal product, hosted on private (**100+**) servers. The solution is deployed in a cluster for both high availability and maximum throughput (approx. **200k req/s**) with lowest response time possible (**<100ms**). Working closely with analysts team and media planers, creating product's improvement strategies and having a real impact on chosen solutions.
**Key responsibilities:**
- Back-end maintenance of Java solution
- Back-end development using Scala
- Building scalable and efficient asynchronous solutions
- Managing CI/CD pipeline using Jenkins
- Managing production environment and deployment using Ansible
- Logs monitoring and system statistics with ELK stack
- System monitoring using Grafana & Graphite

### Senior Technical Lead
**IIIT Innovation In IT**

📅 Nov 2017 – Sept 2018          📍 Warsaw, Poland

- Responsible for managing group of up to 5 Software engineers.

### Senior Java Developer (BIG DATA)
**IIIT Innovation In IT**

📅 Jan 2017 – Nov 2017          📍 Warsaw, Poland

- Advertising Department. Development and maintenance of adserver.

### GMS2 Product Developer
**International Game Technology (formerly GTECH)**

📅 Nov 2015 – Jan 2017          📍 Warsaw, Poland

- Development and maintenance of gaming management platform.

### Lead software engineer
**Roche Polska**

📅 Jan 2015 – Nov 2015          📍 Warsaw, Poland

- Improving web applications to manage drugs. Responsible for managing group of up to 8 Software engineers.

### Senior software engineer
**Roche Polska**

📅 Aug 2013 – Jan 2015          📍 Warsaw, Poland

- Improving web applications to manage drugs.

### Senior software engineer
**PZU SA**

📅 Jan 2013 – Jul 2013          📍 Warsaw, Poland

# EDUCATION

### Ph.D. in Informatics
**Warsaw Military University of Technology**

📅 2010 – 2014

### M.Sc. in Informatics, Faculty of Electronics
**Wrocław University of Technology**

📅 2005 – 2008

### M.Sc. in Control Engineering and Robotics,
### Faculty of Electronics, Specialization Robotics
**Wrocław University of Technology**

📅 2002 – 2007

# FOREIGN LANGUAGES

**English**          ●●●●○

# INTERESTS

Functional programming    Compilers
Category theory    Solving puzzles
Fantasy literature    Electronics    Sport

- Responsible for developing Policy Center, Guidewire Software product for insurance industry.

## Technical Project Manager
**Netsprint Sp. z o.o**

📅 Aug 2008 – Jan 2013          📍 Warsaw, Poland

- Advertising Department. Responsible for managing group of up to 4 Software engineers.

## Software engineer
**Netsprint Sp. z o.o**

📅 Feb 2008 – Aug 2008          📍 Warsaw, Poland

- Advertising Department. Responsible for developing software used for emitting advertisement on the web portals based on its context. Responsible also for developing aided managing advertising tools using J2EE and Desktop java architecture.

## Software engineer
**Microtech International LTD Sp. z o.o**

📅 Nov 2008 – Feb 2008          📍 Wroclaw, Poland

- Responsible for developing E-Cab, an Integrated Project eligible for funding under the 3rd Aeronautics Call 3A of the 6th Framework Programme.

# CERTIFICATES

## 👤 Online

- *Big Data Analysis with Scala and Spark* (2017). Coursera. URL: `https://www.coursera.org/account/accomplishments/verify/GZDYSKCZWLBY`.
- *Build a Modern Computer from First Principles: From Nand to Tetris (Project-Centered Course)* (2017). Coursera. URL: `https://www.coursera.org/account/accomplishments/verify/2F86HE2VN88H`.
- *Hadoop Platform and Application Framework* (2017). Coursera. URL: `https://www.coursera.org/account/accomplishments/verify/CYCQEW3755YV`.
- *Machine Learning* (2017). Coursera. URL: `https://www.coursera.org/account/accomplishments/verify/5BQ2P6MRP2VN`.
- *Functional Program Design in Scala* (2016). Coursera. URL: `https://www.coursera.org/account/accomplishments/verify/RZ53N2WRAXZQ`.
- *Functional Programming Principles in Scala* (2016). Coursera. URL: `https://www.coursera.org/account/accomplishments/verify/KHGX9HYYEQBP`.
- *M101J: MongoDB for Java Developers Course Completion Confirmation* (2016). MongoDB University. URL: `https://university.mongodb.com/course_completion/2d68d9233fef4580a86cc603f9feb001`.
- *Oracle Certified Professional, Java SE 8 Programmer* (2016). Oracle. URL: `https://www.youracclaim.com/badges/d5492e6e-9cb6-4665-b131-973bf8204190/linked_in_profile`.
- *Parallel programming* (2016). Coursera. URL: `https://www.coursera.org/account/accomplishments/verify/EJHLPEZZYP6P`.
- *Automata* (2015). Coursera. URL: `http://ssledz.github.io/images/custom/coursera/automata-statement-of-accomplishment.png`.
- *Oracle Certified Associate, Java SE 8 Programmer* (2015). Oracle. URL: `https://www.youracclaim.com/badges/58fa8011-f1da-4a68-846c-b869ee04012b/linked_in_profile`.

# TRAININGS

## 👥 Onsite

- *Attacking and protecting web applications* (2015). Niebezpiecznik.pl.
- *Decision making and risk management training* (2015). HOMO CREATORE.
- *Internal training in Project management* (2015). Netsprint.
- *Projects Management: How to reach complex targets in changing environment* (2015). HOMO CREATORE.
- *Spring Evenings with Scrum* (2015). FluidCircle.

# PUBLICATIONS

## 📄 Articles

- Śledź, Sławomir (2018a). *Funkcyjne programowanie w bashu – część 2.* URL: `nofluffjobs.com/blog/funkcyjne-programowanie-w-bashu-czesc-2`.
- – (2018b). *Funkcyjne programowanie w bashu – część I.* URL: `nofluffjobs.com/blog/funkcyjne-programowanie-w-bashu-czesc-i`.

## 🖥 Presentations

- *Gentle introduction to monads in scala* (2019). URL: `http://ssledz.github.io/presentations/monads-intro.html`.
- *Gentle introduction to functional programming* (2018). URL: `http://ssledz.github.io/presentations/gentle-fp-intro.html`.
- *Functional programming in bash* (2017). URL: `http://ssledz.github.io/presentations/bash-fun.html`.
- *Recursion* (2017). URL: `http://ssledz.github.io/presentations/recursion.html`.