



Paweł Irla

Full Stack Developer

15 years of experience

📍 Zielona Góra | Poland

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Go to interactive CV version at: irla.github.io

Experience

Casumo

October 2017 - Now

Backend Developer

Gathering requirements and creating new services and functionalities. Maintaining, improving and supporting casino platform.

Adaptris

July 2012 - October 2017

Senior Software Developer/Team Leader

Web development, improving performance of applications, polish branch team leading, software architecture design.

Tieto

July 2011 - June 2012

Senior Software Developer

Defining customer requirements, development, maintaining and testing. Working according to agile and scrum methodology.

Max Elektronik

July 2007 - June 2011

Senior Software Developer

Web and business-logic design and development, defining requirements.

Education

University of Zielona Góra

October 2002 - October 2007

Master of Computer Science - Faculty of Electrical Engineering

Master's thesis: "VoIP service implementation in multilayer application environment"

Grade of master's thesis – Highest grade

About Me

Passionate about doing projects, both backend or frontend focused. Always happy to help team members and mentor junior developers. Relish challenges.

Skills

Programming languages

Java Kotlin TypeScript JavaScript

Groovy Python PHP SQL

Backend Development

Spring Jdbi JPA Hibernate MySQL

JMS RabbitMQ pact.io Docker k8s

AWS GCP MongoDB

Frontend Development

React Next.js Redux Html CSS

Tailwindcss Sass Jest

Mobile Development

ReactNative Dagger Butterknife

Firebase GreenDAO Retrofit

EventBus

Soft Skills

analytical mind creative fast learner

mentor relish a challenge

good sense of humour

Interests

Programming DIY garden works

electronics

Languages

English - Very good

Polish - Native

Projects

Commercial Hobby

2022

casumo.com

October 2017 - Now

Online casino platform available in multiple jurisdictions. Compliant with very many complex regulations and still player friendly.

My role: I've been working in many areas of the platform, from acquisition, then compliance to payments. Part of agile team. Most often focused on providing new functionalities or new services, also improving the platform as a whole.

Spring Boot Kotlin Java Jdbi JPA Spock
RabbitMQ CQRS EventSourcing k8s GCP Docker
Axon MySQL pact.io

This CV page

February 2022 - Now

Rewritten version of previous CV. This time with TypeScript, Next.js and tailwindcss.

React TypeScript tailwindcss next.js github actions
npm

2021

Lambdas research

September 2021 - October 2021

Small research of how to use lambdas with new kotlin frameworks

kotlin ktor kotless terraform AWS

2017

Mobile OCR app

July 2016 - November 2017

Another - after loteria.parago.pl OCR driven application

My role: I have set up the application and its business logic, I'm working on OCR and image object tracking algorithms - AR. I'm also responsible for writing advanced text parsing module

Android Dagger Butterknife GreenDAO Firebase
Retrofit Tesseract OpenCV Docker

Files Gateway

July 2017 - October 2017

Small desktop application allowing to easily

upload and download files from Integration Platform

My role: Main developer of application, introducing the architecture and solutions, implementing requirements.

ES6 React Redux Electron Jest Flow Lint Axios
S3

Business Integration Platform

April 2016 - September 2017

Integration platform allowing customers to track and monitor orders, stocks movements by integrating their backend systems.

My role: Implementing required functionality, testing, helping team members, leading scrum and retrospective meetings

Java JSF PrimeFaces EJB Wildfly ActiveMQ JMS
JAX-RS WebServices Infinispan Docker

Precision AG Microservices

January 2016 - August 2017

Set of microservices - mapping, authentication, permissions, ftp

My role: Creating and managing microservices, implementing and testing required functionality, introducing and helping other team members.

Java Spring Boot Spring Security JAX-RS Jersey
oAuth 2.0 Spock Groovy MySql MongoDB Docker
Dagger

Poultry Health

October 2013 - July 2017

Struts based web application which allows to register poultry farms medical tests, provides the CRM and advanced reporting

My role: Improving application quality, implementing required functionality, discussing the tasks and helping development team, introducing new members

Java Struts 2.x Birt JSF JPA Hibernate MySql
CSS JavaScript ANT Cucumber

Farmers Store

Web store which synchronise the data with customer backend warehouses system. It has built in CMS

My role: Improving the performance of application, helping with requirement analysis, monitoring the tasks and introducing new members to project

Java Struts 2.x Stripes Jackrabbit JSF JPA
Hibernate MySql CSS JavaScript ANT
WebServices

Previous version of this CV page

March 2017 - May 2017

Finally a Html based CV which I always wanted to do, good use case to learn and research React

React ES6 webpack sass twitter bootstrap npm

loteria.parago.pl

February 2016 - January 2017

Small mobile application to ease the process of sending receipt data to <https://loteriaparagonowa.gov.pl> - national receipt lottery sponsored by government - scans the receipt, validates OCR read data and sends it to gov web page.

My role: I was responsible for image analysis, finding the text in picture analysis, before OCR image preparation and performance upgrades. I was also teaching tesseract ocr the most common receipt fonts. Also web page set up.

Android Tesseract OpenCV Apache PHP MySql

jaxrs-client-proxy

February 2016 - November 2016

Small library to read jax-rs annotated interfaces and create java proxies for them to then do REST calls using jax-rs client API

My role: Initiator and main developer of the library. Managing tasks and requirements.

Java Rest JAX-RS Groovy Guava Spock
WireMock jGitFlow

Photobox Downloader

October 2016 - October 2016

Simple application which downloads all your pictures from photobox.co.uk

My role: I've created this small app as there was no pictures export functionality on the page and downloading all pictures one by one was not acceptable

Java Dagger HtmlUnit Spock Groovy

parago.pl

May 2014 - February 2016

Complex mobile and web application which simplifies home budget management. Designed to make managing home budget as easy as possible. Created withing group of 4 friends.

My role: I'm inventor of main idea of the application. I'm resposinble for web development - frontend and backend

Java MongoDB MapReduce Solr Spring Boot
Node.js Backbone.js Marionette Require.js
Underscore.js jQuery CSS Apache

2015

Mercurial Plugin

May 2015 - May 2015

Small mercurial plugin written in Python which parses the commit messages and writes relative data to local database.

Python MySQL Mercurial

Grain Movement Tracker

February 2014 - March 2015

Grain movement and quality tracking application. Built with JBoss application as backend and PHP as frontend

My role: Implementing and designing solutions for required functionality, managing polish team work, estimations and helping with analysis

Java PHP Jboss CodeIgniter JPA Hibernate
MySQL MongoDB WebServices JAX-RS Cucumber

2014

Android Web Portal

October 2013 - February 2014

Web application for Android fans

My role: Developing and implementing requested functionality, node.js research

JavaScript node.js jQuery Mercurial

Witek-MVC

November 2013 - January 2014

Simple MVC helper framework for Node.js and Express, created to reduce express boilerplate. Used in Android Web Portal

Node.js npm JavaScript Express

Rest Services

May 2013 - August 2013

Set of microservices (users, wallet, preference, etc.) used by media stores (music, video and game stores)

My role: Performance testing, implementation of requirements, testing other team members tasks, being a member of agile team

Java Tomcat JMeter Rest JAX-RS Apache CXF

JPA Hibernate MySql

Web Chat App

February 2013 - May 2013

Scala and Play Framework research project which was implementing simple Chat application using web sockets

My role: Creator, researcher and designer of application

Scala Play Framework Akka.io WebSockets

JavaScript sbt

Seeds Ordering

July 2012 - April 2013

Application made for lead sugar beet seed manufacturer. It implements order placing and delivery management modules. Application communicates with customer SAP system.

My role: Developing both ordering application and core framework used by company. Writing JavaScript components. Introduction of PHPUnit in PHP applications made by Adaptris

PHP PHPUnit CodeIgniter JavaScript jQuery

Twitter Bootstrap Apache CSS MVC REST

Cucumber

ODT

July 2011 - June 2012

System made for leading telecommunication company. It helps to manage data and

metadata. It provides utilities to import, transform and export data to many kind of reports.

My role: Agile team member. Implementing planned tasks, taking part of scrum meetings, doing code reviews.

Java J2EE Hibernate JPA JSP Spring MVC 3
Spring Security JavaScript RobotFramework Python
jQuery JUnit HtmlUnit CSS XSLT Tomcat
QueryDSL Maven Mercurial

eventbusjs

April 2012 - April 2012

Very small open-source JavaScript library which implements Event Bus design pattern. Library is not described, to understand its functionality I recommend to see unit tests

My role: I'm creator of the library. I was going to use it in new version of sledzieniepaczek.pl to simplify implementation of MVP pattern.

JavaScript karma requirejs

2011

Blood Donors

July 2007 - June 2011

System made for Polish healthcare department - helps to control blood giving and getting process

My role: Responsible for medical tests section. In the further phase also gathering customer requirements, support customer and manage medical tests module. Improving the performance of whole application.

Java J2EE Hibernate JSP Spring 2.5 jBPM
Struts 1.x JavaScript Ajax DWR DHTML RDMBS
DB2 JUnit ANT Log4J XSLT XML CVS JBoss
Tomcat Birt

2010

sledzieniepaczek.pl

March 2010 - September 2010

A small web application that searches of packages in most popular companies. It uses

HtmlUnit to scrap search results of each provider. It's hosted on Google Cloud – GAE. It also provides tracking system, which sends emails when pack state changes.

My role: Co-inventor, co-founder and co-owner of this web application. I've made this application together with a friend. I developed security section (It's uses AspectJ aspects to read our annotations and protect procedure calls).

Java Spring IOC Spring MVC Spring Security GWT
GAE Mvp4g JPA HtmlUnit AspectJ Eclipse

2009

Car Expense Manager

September 2009 - October 2009

Tapestry 5 research project which was going to help managing car expenses.

My role: Creator and designer of application. I've put the main focus to research Tapestry 5 framework

Tapestry 5 Java JavaScript MySql

Maxofon

December 2006 - September 2007

Master thesis. Application to make VoIP connections. Project divided into two parts: Java standalone application and .Net Windows forms application. Project made for local company.

My role: I've built both applications and developed protocol to communicate over IP networks. It's using TCP/IP to establish and manage connections and UDP to send compressed sound data. I used open-source speex to compress the voice. In Java part I used Spring to manage user interface objects and actions.

Java XML XSD XSLT Log4J Spring IOC VoIP

TCP/IP UDP JNI SWIG C# P/Invoke

Windows Forms C++ Eclipse

USE

October 2006 - May 2007

University project. System which allows to do dynamic tests and manage students tests, classrooms and students groups.

My role: I was responsible for tests section. I implemented dynamic tests management, giving grades and checking tests by lecturers functionality.

J2EE Struts 1.x JSP EJB 2.0 XDoclet JavaScript

MySQL SVN JBoss