IGOR ZAPOLSKI

Senior Software Engineer • Full Stack Developer • R&D Specialist

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PROFESSIONAL SUMMARY

Senior Software Engineer & R&D Specialist with over 10 years of professional experience specializing in building scalable web platforms, analytical systems, OCR data extraction pipelines, RPA, and software-hardware integration (BLE/IoT). Proven expertise across Python, Ruby on Rails, Java, PostgreSQL, OpenCV, and rapid hardware prototyping. Known for analytical problem-solving, adaptability, fast technology onboarding, and bridging software engineering with hardware R&D.

PROFESSIONAL EXPERIENCE

Senior Software Engineer – PKO Bank Polski — 03.2021 – Present

- **iOCR Team:** Designing and engineering production-grade microservices for automated document classification, Optical Character Recognition (OCR), and structured data extraction across enterprise banking workflows.
- **Table Detection Engine (Python):** Architected a custom computer vision pipeline using OpenCV and Tesseract OCR to automatically identify, segment, and extract tabular structures from scanned documents prior to OCR processing.
- **RPA Team:** Developed end-to-end business process automations utilizing UiPath Studio.

Software Engineer / R&D Specialist (Sole Proprietorship) – ingvar.ninja — 02.2019 – 11.2020

- **Smart Care Partners:** Expanded a Android/Java application to stream real-time data via Bluetooth Low Energy (BLE) from an experimental medical device; built a PostgreSQL database and RESTful Web API in Ruby on Rails.
- **Galwes:** Refactored and migrated a measurement control software suite for a DMS testing device from Python 2 to Python 3. Designed 3D-printed molds for custom PDMS polymer gasket fabrication.

Full Stack Developer – Ginzamarkets Inc. — 02.2016 – 07.2019

- Engineered an enterprise SEO analytics platform for high-volume data harvesting and real-time client visualization (Ruby on Rails, PostgreSQL, jQuery).
- Maintained and expanded core features of a distributed web crawler written in Java.

ECM Consultant / Software Developer – Management Data Systems — 10.2015 – 12.2015

- Developed custom CRM system extensions, modules, and automation scripts using Groovy.

Web Developer (Freelance) – Self-employed — 08.2013 – 08.2015

- Delivered tailored web applications (HTML5, CSS3, jQuery, WordPress) for educational institutions and commercial clients including Warsaw Automotive School and Chatka Puchatka (baby strollers and accessories store).

TECHNICAL SKILLS

Programming Languages:	Python, Ruby, Java, Groovy, JavaScript, HTML5/CSS3
Frameworks & Libraries:	Ruby on Rails, OpenCV, Tesseract OCR, UiPath, jQuery
Databases & Tools:	PostgreSQL, Git/GitHub, REST API, BLE (Bluetooth LE)
Hardware & R&D:	3D Printing, CAD Design, PCB Soldering, Device Integration

EDUCATION & LANGUAGES

Warsaw University of Technology
Faculty of Automotive and Construction Machinery Engineering (2010 – 2011)

Cyprian Kamil Norwid High School
Mathematics Profile (2005 – 2008)

Languages: Polish (Native), English (B2)

Driving License: Categories A, B

Interests: 3D Printing, DIY Electronics, Sailing, Board/Computer Games

I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process.