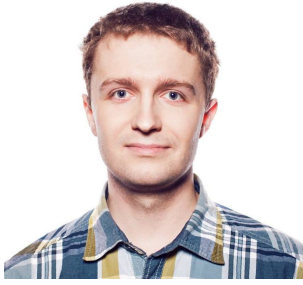


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## DORIAN SAWA



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**Summary:** Experienced Ruby on Rails Developer with over 10 years of experience in building scalable web applications, microservices, and distributed systems. Proficient in Ruby, Rails, PostgreSQL, MongoDB, AWS/GCP, and asynchronous processing (Sidekiq, SQS, RabbitMQ). Experience with Spree Commerce, API design, system architecture, and performance optimization. Passionate about clean code, CI/CD, and automation. Skilled at solving complex problems and mentoring developers.

### World Economic Forum, Senior Software Engineer, Remote, 04.2025 – currently

- Building Rails application from scratch for internal World Economic Forum needs. Implementing API integrations, solving architectural problems, providing full documentation. Utilising asynchronous communication with existing systems.

### Digitree Group, Senior Software Engineer, Remote, 05.2022 – 03.2025 (2+ years)

- Developed backend applications (Ruby, Python) using AWS and GCP, delivering structured data for various projects. Built distributed systems with BigQuery, Pub/Sub, Dataform, and Cloud Functions.
- Contributed to key components of a Product Information Management system, including feed data validation, XML transformation, and image processing (Ruby, AWS: S3, SQS, Lambda, Step Functions).
- Optimized workflows for processing large datasets (40M shop offers daily, 250M images). Managed data imports and transformed data with GCP Dataform and Looker Studio.
- Developed a new TypeScript/Nest.js application, creating REST APIs, implementing authentication, and handling advanced data validation. Utilized PostgreSQL database.
- Collaborated with the product team to optimize the email dispatch mechanism, ensuring the flow of required data.

### Sales Intelligence, Senior Software Engineer, Hybrid, 09.2018 – 04.2022 (3+ years)

- Maintained backend Ruby applications in AWS, processing large datasets with MongoDB and DynamoDB. Utilized AWS SQS for communication and optimized system scalability.
- Worked on a web analytics event tracking system in Ruby on Rails, processing 3M events daily, handling data formatting, enrichment, process optimization, and automated reporting.
- Led a Python-based project to implement product similarity search using FastText and Inception image models. Designing, coding, collaborating with cross-functional teams (DevOps, Data Science) to drive innovation and train small AI models.
- Used Elasticsearch for storing similarity vectors and built an API for similarity search.
- Maintained distributed backend systems using Ruby on Rails, JRuby, MongoDB, and optimized Solr queries. Making frontend changes.

### Hubstyle, Full-stack Developer (Ruby on Rails), 10.2015 – 08.2018 (2+ years)

- Built online stores from scratch using Rails-based Spree Commerce.
  - Implemented and optimized ERP System integration with Sidekiq queues.
  - Redesigned the admin panel using Bootstrap, React.js, and Redux.
  - Worked with PostgreSQL, optimizing queries and managing large datasets.
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### Plane (Formerly Pilot), Full-stack Developer (Ruby on Rails), Remote, 09.2014 – 09.2015 (1 year)

- Contributed to the development of an international social media web application (SPA), expanding API features in Ruby on Rails and optimizing interactions with the PostgreSQL database.
- Developed and styled React.js components, ensuring responsiveness.
- Collaborated directly with a US-based client, ensuring the application met the client's visual requirements and performance.

### Grupa Nokaut, Junior Software Engineer (Ruby on Rails), 11.2012 – 08.2014, (2+ years)

- Developed and optimized backend features for distributed systems supporting a price comparison platform.
- Expanded REST API, implemented report generators, and managed queue workers.
- Created XML formatters to standardize shop feed data and led the development of a product description generator.
- Migrated an old PHP application to Ruby on Rails, improving functionality.
- Worked with JRuby, TorqueBox, and MongoDB in a production environment.

### Nowe Kompetencje, Software Engineer (Ruby on Rails), Remote, 07.2013 – 09.2013

- Development and maintained company webpage and blog built with Ruby on Rails.
- Utilizing a MySQL database and writing scripts using jQuery.

### EX3 Infotech, Trainee Web Application Developer, 07.2013 – 09.2013

- Testing and fixing bugs in web applications developed in Grails. Installing Grails plugins.

### Education

- 2009 – 2014, Master's & Bachelor's Degree in Computer Science, University of Gdańsk

### Summary of Tech Stack Experience

- **Backend:** Ruby, Ruby on Rails, Python, Django, TypeScript, Nest.js, Docker
- **Frontend:** React.js, JavaScript, TypeScript, HTML5, CSS3
- **Databases:** BigQuery, MongoDB, PostgreSQL, MySQL, DynamoDB
- **AWS Cloud:** S3, SQS, ECS, Lambda, Step Functions
- **GCP Cloud:** Cloud Storage, Pub/Sub, Cloud Functions, Dataform
- **Messaging & Queues:** Sidekiq, RabbitMQ, SQS
- **Search:** Elasticsearch
- **Other:** Docker, Prompt Engineering

### Languages:

- **Polish** - native
- **English** – good, level B2 (independent user) in CEFR

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

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