

# WOJCIECH SOKOŁOWSKI

## solutions engineer

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me.wsokol.dev

Armatorix

armatorix

Armatorix

stackoverflow.com

hackerrank.com

codewars.com

thingiverse.com



## EXPERIENCE

### All in one

#### epole.farm

Sep. 2024 - Present

Zębowice, Poland

#### Farm management – Go, React

- Creating web app for farm management from scratch as a free to use platform

### Farmer

#### Family farming

Jun. 2010 - Present

Zębowice, Poland

#### Crop production – integrated production

- Starting Integrated Production in crops
- Using modern technologies in farming
- Operating agricultural machinery

### Senior Backend Engineer

#### rift

Mar. 2023 - Sep. 2024

Remote

#### Scheduling – Go, React

- Providing platform core - scheduling algorithm
- Working as full-stack: frontend, backend and ops

#### Platform – Go, React

- Providing limits-friendly integrations with Hubspot/Salesforce/Zapier
- Provide app deployment in GKE cluster
- Setup Caddy as custom loadbalancer with automatic SSL

### Senior Backend Engineer

#### Smallpdf

Feb. 2022 - Mar. 2023

Remote

#### eSign tool – Go

- Introducing Golang best practices
- Providing eventsourcing based service
- Introducing DataDog tracing and service monitoring

### Software Developer

#### IQVIA

Jun. 2021 - Jul. 2021

Remote

#### NDA – Go

- Fixing golang repositories
- Adding coding standards with golangci-lint in gitlab pipelines
- Working on elasticsearch based service
- Doing security upgrades
- Introducing application monitoring

## SUMMARY

Favourite languages: Golang, C, Prolog, Python (in descending order).

Daily using VS Code + Windows (WSL2), previously Ubuntu user (14.04-20.04).

Love to have consistency across stacks and up-to-date systems.

Enjoy working on both backend and frontend. Interested in distributed systems, cloud computing, databases, networking and system programming.

Passionate about farming and modern agriculture technologies.

## EDUCATION

### Agricultural qualifications

Centrum Kształcenia Rolniczego w Mokrzeszowie

2019 - 2020

### Bachelor of Engineering in Computer Science

Wrocław University of Science and Technology

2014 - 2018

- Thesis: Position Based Messenger

## LANGUAGES

English: intermediate

Polish: native

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## Software Developer

### Nomtek

📅 Oct. 2019 - Jun. 2021

📍 Remote/Wrocław, Poland

#### NDA – Go, Java, Python, Bash, Chef, Terraform

- Develop Golang: REST APIs, data processors, job scripts, mobile push service
- Develop Java: data importer, REST APIs
- Develop Python: data logs analyzer/processor based on Datadog API
- Using AWS services: Lambda, EC2 boxes, Fargate, Batch, SNS, SQS, S3
- Integrating login with Apple in Golang service
- Maintain Scylla cluster
- Improve monitoring (tracing, logging, metrics, alerts)
- Maintain stack with Chef and infrastructure with Terraform
- Improve database indexes and queries with performance upgrades of 4x
- Provide on-call service
- Work in multi-timezone/multicultural environment

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## Software Developer

### Opera Software AS

📅 Jun. 2018 - Oct. 2019

📍 Remote/Wrocław, Poland

#### VPN – Go, Python

- Develop Golang: security and performance patches to VPN, caching library
- Develop Python: deployment tools
- Investigating security/performance/networking incidents
- Doing system and cluster upgrades with service 0-downtime
- Data analyzing and improving Linux system/network performance
- Maintain Docker swarm cluster

#### Monitoring and alerting system – Bash

- Bootstrap Prometheus based alert system for company services
- Providing CI/CD gitlab integration for deployment in multiple environments
- Integrating monitoring with company services
- Tutoring other employees on alert creations

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## Software Developer Intern in Cloud Computing

### Intel Corporation

📅 Jul. 2017 - Sep. 2017

📍 Gdańsk, Poland

#### Dmidecode plugin – Go

- Develop Golang: dmidecode plugin based on dmidecode tool

#### Snap metric catalog – Python

- Develop Python: Github repos parser and data processor
- Leading a 3-person project

#### Snap Telemetry – Python, Go, Bash

- Develop Golang: integration and unit tests, patching bugs
- Testing plugins on various Linux distributions

# PROJECTS

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## **GoRetro** – *Go, React*

Simple agile sprint retrospective. Built to be used with oauth proxy.

## **GoPress** – *Go*

Lightweight WordPress alternative. Supports markdown files as input and HTML templates. Created for personal usage to generate this website.

## **AI MMA** – *React, Go*

Service with ML predictions for MMA fights. Co-created with Data Scientists

## **SmallPAF (Planning Async Format)** – *React, Go*

Tool for async ticket estimations

## **Hearing app** – *React*

Simple tool that helps verify frequency range of hearing

## **Chess.com updater** – *HTML, jQuery*

Simple service with users live stats for OBS usage **Wagapp** – *React, Go*

Web app for car weight. Project hosted on Cloud Run. Simple CRUD, integrated with przelewy24.pl and Auth0

## **Temperature monitoring system** – *C*

Wireless temperature monitoring with Raspberry Pi and ESP8266+BME280. Prometheus with Pushgateway as main services

## **Simple imperative language compilers** – *C, Flex, Bison*

University project of compiler that generates machine code. First that I created was 4th in terms of performance on the yearbook. Wrote already 4 of them for different specifications

## **Bitlyke** – *Go*

Bit.ly like URL shortener hosted on Heroku. Written in Golang.

## **SlackUp** – *Go*

Slack report generator. Generates daily reports with random work and progress.

## **Discord bot** – *Python*

Python bot for spamming random google search images when using keywords. Hosted on heroku.

## **JH** – *Go*

JQ like CLI tool for HTML except JSON. Crafted for personal usage.