

Marcin Biegun

SOFTWARE ENGINEER · WEB EXPERT · CREATIVE CODER

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Professional Summary

I got into computing at the age of 8 thanks to my beloved Amiga 500 system, and later into programming by building custom Ultima Online worlds with an esoteric E-Script language back in 2008.

Since then I've professionally created web pages, command-line tools, React and React Native apps, worked with SQL and noSQL databases, large micro-services applications, automated infrastructure operations with Docker and Kubernetes, converted spaghetti codebases into clean API services and lead a few projects through the software life cycle.

Programming Skills

DevOps	Linux, Ansible, AWS, Heroku
Database	PostgreSQL, RabbitMQ, Redis
Backend	Ruby, Rails, Elixir, Phoenix, Go, GraphQL
Frontend	JavaScript, React
Mobile	React Native
Data	SQL, DBT, Jupyter, Spark

Creative Skills

Coding	Unreal Engine (C++), Unity3D (C#), TouchDesigner (Python), Processing (Java), GLSL shaders
Video	VDMX, Resolume, Final Cut Pro X
3D	Blender, Notch, Houdini
Music	Ableton Live, Fruity Loops

Education

- I'm a self-taught engineer. I learn by reading books and building things.

Work Experience

Anshar Studios

Katowice

C++ DEVELOPER, UNREAL ENGINE

Dec. 2020 -

- Worked on a Unity to Unreal Engine 5 game remaster.
- Developed gameplay features.
- Created Unreal Engine tools for game designers.

Codibly

Kraków

SENIOR FULL STACK DEVELOPER

Apr. 2020 - Nov. 2022

- Worked on a distributed Elixir/OTP application managing thousands of IoT devices in a renewable energy industry.
- Mentored colleagues new to functional programming and Elixir/OTP.
- Contributed to the backend application providing GraphQL API.
- Contributed to the frontend application written in Elm language.

Software Mansion

Kraków

SENIOR FULL STACK DEVELOPER

Nov. 2019 - Apr. 2020

- Worked on a React Native application. Refactored old web JavaScript code, introduced a framework for sharing JavaScript between platforms.
- Developed a hardware-accelerated video encoding module for Membrane (media streaming framework) using Elixir and C++.

Contractbook

Remote

SENIOR FULL STACK DEVELOPER

Oct. 2018 - Jul. 2019

- Delivered features in a large Elixir / Phoenix and JavaScript / React application.
- Designed, implemented and maintained a data processing pipeline used for processing user interaction and financial data. Built reports in Metabase.
- Cooperated in a multinational remote-first company.

Social Drug Policy Initiative NGO

Kraków

LEAD DEVELOPER

Apr. 2018 - Aug. 2018

- Worked with the product owner and designers to translate the product vision into a product spec.
- Maintained ticket boards and specification documents.
- Set up server infrastructure and build system.
- Lead sprint meetings and managed the team of 3 junior developers working on a React Native mobile app and on Ruby backend service. The apps are available under <https://testdrugs.info>.

Relay That

Remote

FULL STACK DEVELOPER

Nov. 2016 - Mar. 2018

- Worked with USA-based product owner on giving the product a new direction. Scoped projects, maintained task lists.
- Refactored a legacy Ruby on Rails codebase into a modern API service.
- Built a new frontend application in JavaScript and React.
- Built a JavaScript graphic composition library using modern CSS features.

Base CRM

Kraków

SOFTWARE ENGINEER

Nov. 2012 - Oct. 2016

- Delivered features in a complex architecture composed with dozens of Ruby microservices, large SQL and Elasticsearch databases, and RabbitMQ event queue.
- Worked closely with US-based finance and sales teams, gathered their requirements, wrote specifications, lead and coded the projects.
- Maintained a complex SASS pricing service, migrated to new pricing options.
- Built a system for collecting and processing financial data in Ruby, then migrated it to Apache Spark.
- Built an internal application for inspecting user data and running administrative actions.
- Lead a company-wide localization effort on multiple platforms.

Social Bicycles

Kraków

MID DEVELOPER

Nov. 2011 - Oct. 2012

- Developed an application for processing GSM communication between bikes and a server using ProtoBuf, Ruby, and RabbitMQ.
- Built an user-facing web application using Ruby on Rails and Backbone.js.

Left Brain

JUNIOR DEVELOPER

- Developed web applications using Ruby on Rails and MySQL.

Kraków

Nov. 2010 - Oct. 2011

Freelance

WEB DEVELOPER

- Built websites using PHP Content Management Systems.

Remote

Nov. 2008 - Oct. 2010