Marek Piasecki '87

contact: mad@maniak.pro
www: mad.maniak.pro   linkedin.com/in/marekpiasecki

Full Stack Developer
ruby / js / polyglot

A natural born developer qualified and highly experienced with too much years of experience particularly in the web industry. I have valuable experience in leading development teams and creating solid and efficient architectures. I have big picture - how computers work, OS, network, browser and applications from top to bottom.
I have strong opinions based on reasoning and understanding - which always influence company I work for.

Skills

Technologies:
- Ruby
- Ruby on Rails
- JavaScript
- CoffeeScript
- AJAX*
- Node.js/Bun
- websockets
- React
- Angular*
- Backbone*
- Meteor*

- Imba
- jQuery
- lodash
- HTML
- HAML*
- CSS*
- SCSS
- npm
- webpack
- Sidekiq
- PHP*

Databases:
- PostgreSQL
- MySQL*
- Redis
- MongoDB*
- Elasticsearch*

Tools:
- vim
- git
- mercurial*

Operating Systems:
- Linux
- UNIX
- Gentoo*
- Ubuntu
- Debian
- Mac OS*
- Windows Server*

Graphics:
- Gimp
- Inkscape
- Blender*

* not using anymore

Preadulthood / Background

1991 My first PC

1995 First program in C

1997 First IT job

1999 My first website

2001 First PHP site sold

2003 Gentoo installed from stage 1

Professional Experience

Procore (via Zoolatech) - Senior Rails and React Developer

2024 - 2025

- I was part of bigger effort to migrate from NFS file storage to Amazon S3 which required changes in APIs (Rails) and clients (React).

Pro - Author

2022 - 2024

- Basing on my over 20y experience with different web technologies I created application framework with exceptional developer experience. It is another level of DRY and convention over configuration approaches. Innovation goes through all layers of the stack and results in provable superior speed of development and performance of the product itself.

Sabbatical Leave

2019 - 2022

- Lots of not professional experience here.

IFAD (UN) - Senior Ruby on Rails Developer

2018

- Basing on reach experience and knowledge about IFAD internal systems building from scratch and integrate a complete task management application for the president of IFAD and his team.

IFAD (UN) - Senior Ruby Enterprise Developer

2017 - 2018

- Responsible for Ruby on Rails web application maintenance and for the development of change requests, supporting business objectives while providing expertise in software development lifecycle phases from design to testing.

HSBC - Fullstack Lead Enterprise Developer

2017

- Building React Native application for the reachest clients of HSBC bank.

- Leading a team of 4.

IFAD (UN) - Enterprise Web Application Support

2016 - 2017

- Implementing business workflows

- Maintaining legacy internal applications

- Service to view project parameters using world maps from ArcGIS

- Bring streaming data to various services

Pilot - Senior and Lead Developer

2014 - 2015

- Basing on my knowledge and experience we've revolutionized the production flow in Pilot.

Lonely Planet

May - Dec '15

- I was a part of the team responsible for maintainance and big data processing.

- We've defined problems with big data processing which allowed us to decrease full run time from 2 weeks to one day.

- I've improved identifying algorithm for lodgings from many different providers basing on unreliable data. The problem was also a heavy load of legacy code. Accuracy gain is about 30%.

- Used technologies: Ruby, Elasticsearch, PHP, Rails, Postgres, jQuery

Squerb

Jan '14 - Jan '15

- F irst week I've defined many problems in the project. First of all they've stucked with unneficient flow. I've pushed it forward.
- I'v e organized tens of thousands of (Backbone) frontend code lines into components using my own transpiler. Remember that React was not released yet.

- Quickly became a team leader - leading another 2 team leaders - with a promise to became CTO in the future. All together there was 10 developers working on 2 connected products on my commands.

- First public release of React was correlated with the owner's decision of the full application redesign. It was an opportunity to cut off legacy code which we've taken. That time there were not good practices for React so I became with my own full stack framework architecture based on React and Rails. It took us a month to successfully rebuild this really big application. Many ideas of my approach are common now - like to have one source of truth on the frontend.

Netguru - Developer

2012 - 2014

- I was actively participating in brainstorms how we cou improve the company. 100% growth after a year was the result I can be proud of as a part of the collective.

- I had also a chance to work on their best projects.

Transterra

Dec '13 - Jan '14

- It was my last duty before changing the firm. I took care of JS part which is often a problem for other Rails developers. I've used my framework written for Skrill (see below) to organize assets and standardize communication with backend.

Skrill Payment Gateway

Jun - Nov '13

- That's my second project for Skrill as they were pleased by my previous work.

- We were maintaining legacy ruby rake vanilla js application.
- I've started new version of the app basing on Rails and Angular but due to lack of decisions it was finally abandoned.

Skr ill My Account

Jan - May '13

- That was the biggest project in term of scale of cooperation. Beside Netguru there were 2 other workshops engaged and Skrill teams from offices in London, Berlin and Sofia.

- A fun fact is they had 2.5 years time to finish the project and they made attempts without proper result until they came to Netguru. We've completed it before deadline in 7 months from scratch. Costs of the project were regained in the first week after shipping.

- I've joined to the project after 2 months. During first week when I had time to know the codebase I've managed to organize the mess on the frontend by my simple framework basing on pairing Backbone.Views with Rails controllers which has common ideas with current Rails 5 turbolinks implementation.

- I've also straightened out Skrill API integration.

- First thing I've noticed was a big cost of writing behavioral tests in Cucumber by each developer. The project was too big to keep consistency. After my suggestion Skrill hired two other specialists to work only on the test suit so we had more time for effective work.

- I truly believe the above-mentioned things allowed us to focus on features and were a piece of why we succeeded.

- My own part of the application is the integration of external payment providers.

PaddyPower BetDash

Sep '12 - Jan '13

- My first work on a single page application. It was based on Backbone and Rails.

- The most significant job I've done there was optimization of DB queries which effected in radical boost of whole application.

- References from this project gave a chance Netguru to work with Skrill.

PWN Multibaza

Sep '12

- First Rails and jQuery application. Time when I've learned processes and good practices for Rails and Agile.

Internetowykantor.pl

2010 - 2012

- That's potentially underestimated position for a not Polish employer.

- They invented the market of online currency exchange - two guys without external funding and experience in business.

Junior Developer

Nov '10 - May '11

- I've joined as the third developer on board and 6th member generally.

- The job was to take care of transaction system which was unefficient having few thousands currency units trading daily. Several times a day it needed manual interventions.

- Till the end of my work in IK we had 100% growth each month.

Senior Developer

May - Sep '11

- It was always on the edge but there was not a single failure. I've proved my worth in the critical moment.

Banks Integration Manager

Sep '11 - Jan '12

- I've incresed bandwith high above the safe level which works probably till this day.

- I've gain my office and subordinate which I've teached about the system.

- We've been trading millions dollars a day. Now they do billion.

I've learned there so many lessons I can't tell. We had then tens of thousands of opinions. 99.9% satisfied. Many of them mentioned how fast the transaction goes.

Freelance (main projects)

Vegagastro.pl

2007

- Custom CMS in PHP with parts of vanilla js for the biggest ice-cream machines dealer in Poland.

- One of special features was machine comparator - which I see is still in use.

Famarol.com

2001

- Site based on a simple custom PHP template system with implemented multi language service - for an international agricultural machines factory.

Education and Training

2012 - 2024

- Regularly speaking and attempting on ruby, js and other conferences - over 40 times plus meet-ups.

2007 - 2010

Adam Mickiewicz University, Poznan
B.Sc in Computer Science, Faculty of Mathematics and Computer Science.
Speciality: Algorithms and Programming

- Team leader for group of 6 for bachelor work - a multiplayer network game based on "Talisman" board game from '85 (Ruby, C#, OpenGL).

2003 - 2006

Maria Curie-Sklodowska High School, Slupsk
A-Level (equivalent)
Information technology (A)

- CCNA course.

Others

*RUGs speaker and PRUG coorganizer
Pivorak and Ruby Meditation Speaker
Bratislava ReactiveConference Official Supporter
Rolling Scope JS Conference in Minsk Sponsor toghether with Google, Microsoft, Mozilla...
Opened 2 days conference with first talk
Rails Girls Coach
Open Source creator and contributor

40+ countries visited. Lived in 5 countries. Speaking 5 languages