

# Marcin Pietrzak

Principal Software Engineer  
(Fullstack Javascript) & Creative  
Designer



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from  
January 2023  
to  
Present

## Scalo

### Technical Lead / Team Lead (Full Stack Javascript)

Architectural decisions, team leading and web development for a global "buy now, pay later" financial technology company with operations in Australia, New Zealand and the USA. Additional in-house projects, based on clients needs.

#### this includes:

- server-side / client-side code: TypeScript, Node.js,(Sails.js / Express.js), React.js (with various state management libraries), ECMAScripts, css
- maintenance and development of application transport layer: Websockets, REST API's
- server/serverless setup: Amazon AWS, Google Cloud
- databases(SQL / noSQL): PostgreSQL, MySQL, MongoDB, Firebase
- testing: Cypress, React Testing Library
- virtualization and server management: Docker
- front-end tooling: Browserify, Babel, Webpack
- documentation: Confluence, Notion
- continuous integration/development: Gitlab CI/CD, Github Actions
- Team Management: up to 5 people, SCRUM, AGILE, Kanban, out-of-the-box thinking



from  
August 2022  
to  
January 2023

## LoyaltyLion

### Short contract - Technical Lead (Full Stack Javascript)

Development, architectural decisions and mentoring for one of teams, delivering loyalty program that incentivises customers to opt into an active relationship with clients brand, while protecting their profit margins from excessive discounting and increasing acquisition costs.

#### this includes:

- architecturally sound and maintainable both server-side / client-side code: TypeScript, Node.js (Express.js), React.js(with Redux / MobX / React Query / Zustand), ECMAScripts (6 to ES.Next - depends from project needs), css (SASS, LESS, StyledComponents)
- maintenance and development of application transport layer: REST API's, GraphQL
- server/serverless setup: Amazon AWS, Hetzner
- databases(SQL / noSQL): PostgreSQL, MySQL
- testing: Cypress, React Testing Library, Jest
- virtualization and server management: Docker
- front-end tooling: Babel, Webpack
- documentation and mocking: Storybook, Shortcut, Notion
- continuous integration/development: Buildkite, Github Actions



from  
April 2022  
to  
July 2022

## Schober Information Group

### Short contract - Senior Full Stack Developer (Javascript) / Tech Lead

Development, design of new modules, architectural decisions and maintenance of innovative data and information management web platform. This platform allows to strategically advise and support customers with online and offline solutions as well as with the systematic implementation of cross-media communications, advertising and sales strategies. This platform allows to analyse millions records of data in a very streamlined and performance-effective way, delivering results to clients in seconds.

#### this includes:

- design/architecture/code for internal tools to calculate and visualize data-sets viewable in real-time by clients: Node.js (Express.js), React.js(with Redux / MobX / React Query), REST API's, ECMAScripts (6 to ES.Next - depends from project needs), css (SASS, LESS, StyledComponents), xhtml / html
- server/serverless setup: Amazon AWS, CloudFlare, Hetzner
- databases(SQL / noSQL): PostgreSQL, MySQL
- testing: Cypress, React Testing Library
- virtualization and server management: Docker
- front-end tooling: Babel, Webpack
- documentation and mocking: Typescript, Storybook, Docosaurus, Confluence
- continuous integration/development: GitLab CI/CD



from  
November 2021  
to  
April 2022

## Ergo Group AG

### Senior Full Stack Developer (Javascript)

6 months project - development, code support, architectural decisions and "analysis of needs" of web calculators (both micro and monoliths) used by one of the largest insurance company in Europe. This includes building both front-end and back-end solutions used in the organization, by being part of the team working in SRCUM methodology.

#### this includes:

- web applications, internal tools, microservices connected to advanced domain models: Node.js (Express.js / Next.js), React.js(with Redux / MobX), GraphQL, REST API's, websockets, ECMAScripts (6 to ES.Next - depends from project needs), css (SASS, LESS, StyledComponents), xhtml / html
- server/serverless setup: Amazon AWS
- databases(SQL / noSQL): MongoDB, MySQL
- testing: Cypress, React Testing Library, Jest, Jasmine, Karma
- virtualization and server management: Docker
- front-end tooling: Parcel, Babel, Webpack, Gulp
- documentation and mocking: Typescript, Storybook, Confluence
- continuous integration/development: Jenkins



from  
March 2019  
to  
October 2021

## Intive

### Principal Software Tech Lead (Full stack Javascript) / Architect

Development, architecture decisions, support and performance analysis of web application from both frontend and backend perspective. Leading teams of developers to sustain good code quality, communication and deliverability for given project.

#### this includes:

- development of Progressive Web Apps(PWA) with custom frontend logic: GatsbyJs, Next.js
- creation and coding of mobile applications: React Native
- SPA type of applications, internal tools, microservices connected to advanced domain models: Node.js (Express.js / Hapi.js), React.js(with Redux / MobX), GraphQL, REST API's, websockets, ECMAScripts (6 to ES.Next - depends from project needs), css (SASS, LESS, StyledComponents), xhtml / html
- server/serverless setup: Amazon AWS, Google Cloud, Apache, Nginx
- databases(SQL / noSQL): MongoDB, DynamoDB, MySQL
- testing: Cypress, Jest, Jasmine, Karma
- virtualization and server management: Docker, Vagrant, Virtualbox
- front-end tooling: Babel, Webpack, Gulp,
- continuous integration/development: Jenkins, Teamcity, CircleCi, Travis-Ci
- Version Control, reporting and documentation: JIRA, GIT, Confluence, gitbook
- Team Management: up to 8 people, SCRUM, AGILE, Kanban, out-of-the-box thinking, congenital optimism



from  
December 2018  
to  
February 2019

## Credit Suisse

### Short contract - Senior Javascript Developer (Full stack)

Creation, maintenance and further development of in-house web based applications / tools for Swiss multinational investment bank. Providing new ideas, solutions on architectural level and improvements considering both web interfaces and server management.

#### this includes:

- coding of SPA applications and internal tools, servers and microservices: Node.js (Express.js / Hapi.js), React.js(with Redux / MobX), REST API's, websockets, ECMAScripts (from 6th to 9th edition), css (SASS, LESS, StyledComponents), xhtml / html
- server setup: Apache, Nginx, Amazon AWS
- databases(SQL / noSQL): MongoDB, MySQL
- testing: Jest, Jasmine, Karma, Webdriver, Selenium, Cypress
- virtualization and server management: Vagrant, Docker, Virtualbox
- front-end tooling: Gulp, Grunt, Webpack
- documentation and mocking: Confluence, Storybook, Gitbook
- API documentation: Swagger
- continuous integration: Teamcity, Jenkins
- Version Control, reporting, documentation: JIRA, GIT, Confluence, gitbook
- Team Management: SCRUM, out-of-the-box thinking, congenital optimism



from  
June 2017  
to  
November 2018

## IPF Digital

### Team leader / Senior full stack developer (javascript)

Providing high quality code and code analysis for one of the leading provider of home credits and digital loans and its web applications around the world. Managing and monitoring cooperation between in-house web developers with external companies to provide better quality solutions.

#### this includes:

- coding of SPA applications, servers and microservices: Node.js (Express.js / Hapi.js), AngularJS 1, Angular 2/4, React.js(with Redux/MobX), CanJs, REST API's, websockets, ECMAScript 5 and ECMAScript 6, css (SASS, LESS), xhtml/html, PHP
- server setup: Apache, Nginx, Amazon AWS
- databases(SQL/noSQL): MongoDB, Mysql, MariaDB, DynamoDB
- testing: protractor, jasmine, karma, webdriver, selenium
- virtualization and server management: Vagrant, Docker, VmWare, Virtualbox
- front-end tooling: gulp, grunt, webpack, makejs
- REST API documentation and mocking: RAML 0.8, RAML 1.0
- continuous Integration / Development: Teamcity, Electricflow, Jenkins
- Version Control, reporting, documentation: JIRA, GIT, Confluence, gitbook
- Team Management: SCRUM, AGILE, Kanban, out-of-the-box thinking, congenital optimism



from  
September 2015  
to  
June 2017

## Delaval

### Front-end / Back-end Web Developer Consultant

Design, development and creation of Javascript based modules for a SPA application (based on Angular 1) for one of the most advanced milking robot created by Delaval company. Additionally, writing unit and high-end tests, deploying production packages and code reviews for team members to increase the overall product quality. Providing support, ideas and technical documentation for existing team of developers based on project requirements.

#### this includes:

- coding (front-end/back-end) for SPA application: Javascript (AngularJS/JQuery/backbone), bootstrap, Node.js(with express/Koa), html/xhtml, css (SASS/LESS), W3C standards, JSHint, Single Page Applications,
- development of unit/high-end tests for SPA application: Jasmine, Karma, Protractor
- task automation - testing, building and deployment of application modules: Node.js, gulp, grunt, Less/Sass, Jenkins, make
- Version Control and bugs reporting: JIRA, SVN, GIT



from  
July 2013  
to  
Present

## Cytadella

### founder

Designing, developing, managing and supporting IT solutions based on clients needs. Focusing on web applications/services and mobile devices applications.

#### IT WORK:

- defining corporate identity, graphic/UI design and documents style: Photoshop, Illustrator, Fireworks, Indesign, Gimp, Inkscape, CorelDraw
- user experience design: Balsamiq, Visio, Mockingbird, Flash,
- delivering fully operational, consistent GUI, dedicated for specific platform (Android, IOS, desktop software, web browsers, set top boxes etc.)
- front-end development and crossbrowser compatibility: html, xhtml, xml, css, lesscss, sass, Javascript and libraries (jQuery, ajax, prototype etc.), W3C standards, data conversion (MySQL <-> json <-> csv <-> excel)
- backend development: PHP, PHP Frameworks, MySQL, Object Oriented Programming, MVC, Java, SOAP, Cron, REST
- installation, support and modifying of content management systems for customer needs: Magento, osCommerce, Wordpress, Joomla, typo3, LightCMS, k4web

#### MANAGEMENT WORK:

- expanding company influence and acquiring new clients,
- project management: SCRUM, Agile
- creative team leading: 2 - 5 people, motivation building,
- brainstorming,
- cooperation with external teams,
- branding identity (including SEO)
- corporate document designs: invoices, magazines, resumes, business cards, reports etc.
- social media interaction,



from  
April 2013  
to  
December 2018

## Artelia - Paket 24 GmbH

### Full stack web developer / creative designer

Creation, maintenance and keeping up to date e-stores based on Magento Platform. Delivering new ideas and design concepts for product lines and styles. Thinking "outside of the box".

#### WEB DEVELOPMENT:

- store development and maintenance, creation of interior web applications for company purposes: Magento Platform, Object Oriented Programming, MVC, PHP, MySQL, xhtml, css, Javascript and libraries (jQuery, ajax, prototype), W3C Standards, DOM, xampp, Apache, XML-technologies, 3-rd party api(allegro, ebay etc.),
- documentation for web applications, workflows and Magento plugins, modules etc. : WikiMedia, OpenOffice, LibreOffice, Microsoft Office,
- maintenance, creating reports and managing multiple websites: site optimization, stores optimization, SEO, Pay Per Click and Adwords campaigns, Google Analytics,
- configuring, installing, tuning, troubleshooting, applying patches and supporting company web pages, portals and web servers,
- software integration: fully operational, consistent GUI, dedicated for specific platform (Android, IOS, desktop software, web browsers, set top boxes etc.),
- team leading: 2 - 8 people, motivation building,

#### DESIGN:

- web designs for Magento based stores, landing pages, web portals and mobile user interfaces: Photoshop, Fireworks, Indesign, Gimp, Inkscape, Dreamweaver,

- user experience(UX) design dedicated for specific platform (Android, IOS, web browsers, etc.),
- web advertising materials: Flash, Photoshop, Final Cut Pro,
- 3D design of objects(company furnitures): 3DS Max, Cinema 4D,
- graphic design: Photoshop, Illustrator, Fireworks, Indesign, Gimp, Inkscape
- print(leaflets, newsletters, magazine ads materials, catalogs etc.), packaging and advertisement materials design: Illustrator, Photoshop, InDesign, CorelDraw,
- corporate document designs: invoices, magazines, resumes, business cards, reports, newsletters etc.



from  
June 2008  
to  
June 2015

## KemU Studio

### Creative director & co-founder

Deliver all User Interface related products for Studio needs.

#### UI WORK:

- consistent UI ruleset prototyping: Balsamiq , Visio, Mockingbird,
- proof of concept mockups: Adobe Edge,
- graphic design: Photoshop, Illustrator, Fireworks, Indesign, Gimp, Inkscape,
- 3D artwork: 3DS Max, Sculptris, Blender,
- animation design: Flash, Adobe Edge,
- software integration: fully operational, consistent GUI, dedicated for specific platform (Android, IOS, desktop software, web browsers, set top boxes etc.),
- browser implementation: html, xhtml, css, lesscss, sass,
- customer support product maintenance.

#### NON UI WORK:

- creative team leading: 2 - 5 people, motivation building,
- brainstorming,
- cooperation with external teams,
- branding identity (including SEO)
- corporate document designs: invoices, magazines, resumes, business cards, reports etc.
- social media interaction,



from  
December 2008  
to  
April 2013

## Advanced Digital Broadcast

### Graphic designer / UX designer

Lead designer for TV user interfaces, set top boxes and packaging products.

#### this includes:

- proof of concept mockups: Flash,
- 3D casing mockups: 3DS Max, Cinema 4D,
- graphic design: Photoshop, Illustrator, Fireworks, Indesign, Gimp, Inkscape,
- GUI animations: Flash, Adobe Edge,
- print and packaging design: Illustrator, Photoshop, InDesign, CorelDraw,
- corporate document designs: invoices, magazines, resumes, business cards, reports etc.
- preparing outline documents for proper implementation: Microsoft Office, OpenOffice, LibreOffice,
- working closely with engineers/programmers to maintain full support from graphical part of application
- managing graphical resources and reporting bugs: JIRA, cvs,



from  
January 2006

## OSTROWSKI Sp.z.o.o

### Network administrator (internship)

to  
March 2006

Maintenance & administration of 40 to 50 workstations sized network

**this includes:**

- Software services maintenance
- including administration of Windows Advanced Server Domain, Linux servers, routers, Internet connection etc.
- Hardware maintenance
- administration, repairing, purchasing etc.

## Education

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2011 - 2013

**University of Zielona Góra**

Software engineering specialty

Achieved Master of Science (M.Sc.) degree.

2008 - 2011

**University of Zielona Góra**

Software engineering specialty

Achieved Engineer degree.

2003 - 2007

**Electronic Technical School**

IT specialty

Achieved Technician degree

## About Me

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Living In: Wrocław, Poland

From: Zielona Góra, Poland

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