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Company: IdeaPiece Ltd is a company registered in England and Wales under company number 10681999

Registered office: 39a Castle Street, Banbury, Oxfordshire, United Kingdom, OX16 5NU

VAT number: 265 1808 95

Experience

Oct. 2017–May 2018

CDP Worldwide (cdp.net)—*Ruby on Rails Contractor*

- major speed improvement in pipelines for automated testing
- design and development of a standalone Rails/Sidekiq backend application for background processing of the data
- developing features of an application for online collection of data from companies, governments and their supply chains
- **the client was happy to extend the initial 3 month contract**
- backend—Ruby on Rails
- frontend—JavaScript/CoffeeScript, jQuery
- automated testing—RSpec
- other technologies: Microsoft SQL Server, CMS (Comfortable Mexican Sofa), HTML (HAML), CSS (Sass, Compass), Delayed Job, Sidekiq, REST, git, GitHub, JIRA, agile software development (SCRUM)

Mar. 2017–now

IdeaPiece Ltd (ideapiece.com)—*Director and Software Developer*

Oct. 2015–Jul. 2016

Fitzdares (fitzdares.com)—*Ruby on Rails Developer*

- supporting a junior developer, pair programming
- improved git workflow, integration with Pivotal and Jenkins
- backend—betting platform modules—Ruby on Rails
- frontend—design and implementation of a customised microframework in JavaScript/CoffeeScript/Backbone.js
- automated testing—Cucumber & RSpec
- DevOps—Jenkins, pipelines, Puppet, cron, SSL certificates, database dumps, user and password management, shell (zsh) programming
- Amazon Web Services—EC2, Route 53, S3, RDS
- other technologies: MySQL, HTML (HAML), CSS (Sass), JavaScript, Underscore.js, WebSockets (Pusher, Slanger), Delayed Job, Sidekiq, REST, git, GitHub, Puppet, Hieria, zsh, Linux, Pivotal, agile software development (SCRUM)

Aug. 2014–Oct. 2014

goodylabs (goodylabs.com)—*Ruby on Rails Developer*

- programming and automated testing of an online platform for magazine and newspaper retail
- integration with databases
- programming frontend widgets to integrate with external client sites
- technologies: Ruby on Rails, JavaScript, Node.js, Dojo Toolkit, RSpec, MySQL, Microsoft SQL Server, CSS, git, GitHub, REST

Apr. 2012–Feb. 2013

tekten (now uniteam, uniteam.pl/en/)—*Junior Java Developer*

- creating an HRMS for a major Polish telco (Netia)
- database programming
- technologies: Java EE, Seam, RichFaces, JSF, JSP, JBoss, Tomcat, Liferay, JavaScript, AlloyUI, SVN, BPMN, Oracle, PL/SQL, Linux, SSO

Jul. 2011–Oct. 2011

Ragnarson (ragnarson.com)—*Ruby Developer*

- technologies: Ruby on Rails, JavaScript, jQuery, HAML, SASS, XHTML, CSS, git, GitHub, REST, Cucumber, Capybara, agile software development (SCRUM)

Jun. 2011–Jun. 2011

Ragnarson—*Internship*

- technologies: Ruby on Rails, XHTML, CSS

Education

2013–2015

Politechnika Łódzka/Lodz University of Technology (p.lodz.pl/en/)—*Master's Degree*

Computer Science, Artificial Intelligence and Software Engineering, 4.67/5, master's thesis: 'Framework for Constructing Proof Assistants for Diagrammatic Reasoning', technologies: Smalltalk

2011–2012

Syddansk Universitet/University of Southern Denmark (sdu.dk/en/)—*Erasmus*

Computer Software Engineering

2008–2012

Politechnika Łódzka/Lodz University of Technology—*Engineer's Degree (Bachelor equiv.)*

Computer Science, Software Engineering and Data Analysis, 4.71/5, engineer's thesis: 'Between Syntax and Semantics—the application of visual reasoning to a proof assistant', technologies: Smalltalk, leader of the cognitive science division of K. I. N. O. (<http://kino.ics.p.lodz.pl>)

2005–2008

Uniwersytet Warszawski/University of Warsaw (en.uw.edu.pl)—*Studies*

Interfaculty Studies in Mathematics and Science

Summary

IdeaPiece specialises in web application development using modern, untyped, dynamic, reflective, object-oriented programming languages (including Ruby, JavaScript, occasionally Smalltalk), but I also use more traditional programming languages (e.g. Java), depending on the needs. Other services include agile project management; software and systems design; web design; automated testing; Linux DevOps, administration, networking, and shell programming; PostgreSQL database management; and others.

As an individual, I have three years of experience in development of backends and frontends for systems used in retail, human resources management, bookmaking and NGOs. I worked with big companies as well as start-ups. I also hold a master's degree in computer science.

What makes IdeaPiece's services unique is broad knowledge and experience with many different technologies and programming languages. My company can help to create interfaces between diverse systems and simultaneously write code in different environments. My client will never be restricted to one solution only. For direct clients IdeaPiece provides **post-contract support and other benefits based on a customised agreement**, so the client will never be left alone with their problems after the end of its term. I am always eager to learn new things, so if you have an amazing project to work on, count me in.

Skills

- programming languages:
 - professional level:
 - Ruby, Ruby on Rails—work experience;
 - JavaScript/EcmaScript, CoffeeScript, jQuery, Node.js, Backbone.js, Dojo, AlloyUI—work experience, React, Redux—company's website;
 - Java EE, JSF, Liferay—work experience;
 - Smalltalk—engineer's thesis, master's thesis;
 - zsh, bash, C;
 - other: Prolog, Common Lisp, R, Octave (a MATLAB clone), AWK, C++, assembler, ActionScript, TCL, Objective-C, Ada, Perl, COBOL, Fortran, SNOBOL4;
- operating systems & administration:
 - professional level: Linux;
 - other: Unix, OpenVMS, IBM i (AS/400), IBM z/OS;
- DevOps: AWS, Jenkins, Puppet;
- CCNA training modules 1 and 2;
- databases: PostgreSQL, MySQL, Oracle (including PL/SQL);
- layout, text composition, page description languages: T_EX, PostScript, HTML 5, XHTML, HAML, Pug, CSS 3, Sass, Less, PostCSS, XML, XSL-FO, XSLT;
- project and version management: git, SVN, GitHub, Yodiz, Pivotal, JIRA;
- business modelling: UML and BPMN;
- agile software development: Scrum, TDD, BDD, RSpec, Cucumber, Selenium;
- cognitive science, artificial intelligence, natural language processing, digital signal processing, image processing, neural networks, machine learning;
- national finalist of both Polish Mathematical Olympiad and Polish Physics Olympiad;
- languages: Polish—native speaker, English—professional working proficiency, German—basic, Danish—elementary, Chinese—elementary.