

# Mateusz Wilk



Email: [matewilk@gmail.com](mailto:matewilk@gmail.com)

Phone: 07455270690

Website: web-dev.engineer

## Work experience

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O2

May 2016 - Present

Senior/Lead Software Engineer

Responsibilities:

- Leading technical and architectural design of the product
- Fast prototyping first versions of the application
- Setting up quality standards for the team
- Leading on developing substantial components of the product including database, API and UI areas
- Prototyping crucial components
- Spreading best practices across the team including programming, agile methodologies, product development approach and development workflow
- Setting up Continuous Integration environment and pipeline

Technologies

- ES6, Angular, Node, MongoDB, Mongoose,
- Webpack, jasmine, sinon, chai, mocha, karma,
- sass, angular-material,
- Jenkins, AWS

BBC

December 2015 - May 2016

Senior Web Developer

Responsibilities:

- Creating prototype and developing award winning BBC's Authentication Tool app.
- Creating prototype and taking active part in designing responsive version of BBC's CMS (iSite2)
- Developing responsive components and delivering new functionalities for the product (iSite2)
- Collaborating with other BBC's teams to ensure best product functionality and compatibility.
- Advising the Product Manager or Technical Project Manager to ensure that all technical possibilities are explored and that products achieve the best possible look, feel and functionality
- Evaluating time needed to develop certain features and developing the features in a given timescale
- Suggesting and using solutions and libraries to shorten development time and/or effort
- Advise on strategic technology issues
- Assistance with recruitment
- Mentoring and coaching of less experienced members of the team
- Developing new features and products for the organisation
- Redesigning existing functionality using proven development methodologies, processes and patterns along with the latest technology.

- Estimating Stories (Agile Scrum) development time, breaking them down into tasks and making sure they are delivered in a given time-frame (Sprint) - panning and prioritising tasks
- Resolving accessibility, usability and cross browser issues
- Working with 3rd party products/libraries
- Pair programming
- Code reviews
- Continuous Integration

Tools:

- Javascript: Plain Javascript, React.js, Node.js, Backbone.js, Require.js, Express.js, ES6;
- Css: Sass, Bootstrap, Angular-Material;
- Testing: Behat, PHPUnit, Mocha, Chai, Sinon, Jasmine;
- Continuous Delivery/Integration: Hudson, Heroku, AWS, Jenkins, AWS CodeDeploy and CodePipeline;
- Web Dev Tools: Bower, Grunt, Vagrant, Webpack, Require, Yeoman, Jshint, JsLint, JsBin, Js minifiers and more...

## BBC

March 2014 — December 2015

Web Developer

Responsibilities:

- Front-end development of BBC's CMS (iSite2) used by Programmes, Sport, Blogs, Children in Need, Learning
- English and other BBC pages, Developing new functionalities and modifying existing ones, Improving code modularity, usability and testability,
- Rewriting legacy code using latest technologies into more maintainable modules,
- Moving logic from back to front-end,
- Code reviews,
- Pair programming

Tools:

- Javascript - Backbone.js, Node.js, React.js
- CSS3 - Sass, Bootstrap, Angular-Material
- TDD - Jasmine, Mocha, Sinon, Chai
- BDD - Behat,
- Continuous Integration - Hudson, Heroku, AWS, Jenkins
- Other - Yeoman, Bower, Grunt, Vagrant, Selenium, Require.js, Webpack

## Arbor Education - London

July 2013 — February 2014

Software Developer

Responsibilities:

- Student benchmarking, analytics, and Management Information Systems for schools development,
- GUI implementation,
- Responsive components development

Tools:

- Javascript, ExtJs, Php, Zend Framework

## Focus Telecom Polska - Poland

September 2010 — July 2013

Web/Javascript Developer

Responsibilities:

- Development, modifications and new functionality implementation in Javascript based CRM,
- Call centre system development,
- Front-end components implementation,
- User interface design & usability design,
- Data visualization,
- GUI implementation,
- Application architecture implementation,
- Back-end and SQL development,
- Full responsibility over one of the main company's products

Tools:

Javascript, ExtJs, jQuery, css, html, Bootstrap, PHP, Zend Framework, MySQL, PostgreSQL

## Expanse - Poland

December 2009 — September 2010

Programmer Javascript/PHP/SQL

Responsibilities:

Vehicle monitoring, control and localization application development,  
 GUI implementation,  
 Application architecture implementation,  
 Database design assistance,  
 Writing SQL queries and procedures

Tools:

- Javascript, ExtJs, Javascript maps APIs, PHP, Zend Framework, Html, Css, PostgreSQL

## Inoxpa - Spain

September 2007 — August 2008

IT Intern

Responsibilities:

- Share Point Services 3.0 implementation and server administration,
- Users interviews and UML diagrams development,
- System requirements analysis

Tools:

- Visual Studio .NET, Microsoft Windows Server 2005, Microsoft Web Developer

## Qualifications

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I'm a strong advocate of extreme programming and agile methodologies. A JavaScript framework is a tool for me, not the holy grail of best practices, they all solve same issues in different ways! If you ask me which framework to choose or which one is the best I'll first ask, what's the problem. Testability, maintainability, modularity and usability is a high priority for me. Always keeping-up to up to date with current trends and technologies.

After finishing Faculty of Electrical, Electronic, Computer & Control Engineering I started my professional work as a web programmer, gaining experience developing small sites using jQuery, MySQL and PHP, and moving on to more advanced web based systems and frameworks like, MVC, Sencha (ExtJS), Zend Framework, wrapping my head around practical use of design and architectural patterns implementing SaaS single site web apps. During my career Agile methodologies along with test first approach started to play a major role. TDD, BDD and JavaScript tooling changed my approach to developing applications, reducing number of bugs and maintenance time. Emergence of modules in JavaScript, like CommonJS and new libraries like Backbone.js, React.js speeded up my development process even

further. New ways of developing applications as state machines (implemented in React and Redux) or the ones reinventing MVC pattern one more time (like Angular.js) give me the ability to focus on the application logic. Also tools like Browserify or my favourite Webpack, do all the job to pack the whole application into a single file with only one npm command. What else would I want ? New challenges, of course!

#### Tools And Technologies:

- JavaScript - React.js, Backbone.js, Node.js, Express.js, Angular.js, ES5, ES6, jQuery
- TDD/BDD - Behat, PHPUnit, Mocha, Chai, Sinon, Jasmine
- Agile - Scrum
- CSS - Sass, Bootstrap, Angular-Material
- Code Reviews
- Pair Programming
- Php - Zend, Symfony,
- CI - Jenkins, Hudson, Heroku, AWS, AWS CodeDeploy & CodePipelineWeb Dev
- Tools - Babel, Bower, Grunt, Vagrant, Webpack, Require, Yeoman, JSHint, JSLint, JsBin, Js minifiers

## Education

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### Master Degree

2003 — 2009

Technical University of Lodz - Faculty of Electrical, Electronic, Computer and Control Engineering.

M.Sc in Computer and Control Engineering

#### Thesis:

- Project and implementation of web-mail client with adaptive AI anti-spam filtering

#### Activities and Societies

- Member of Microprocessor Autonomous System Academic Club - MIPSAC
- Recipient of IAESTES Scholarship in Spain (Universitat de Girona 2008-2009)

## Courses & conferences

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- Code Reviews
- Continuous Integration
- Pair Programming
- Behavioural Driven Development
- Test Driven Development
- HTML5 for Mobile and Web
- Microservices
- Agile Scrum
- AWS re:Invent 2015
- Front-Trends 2013 & 2014

## Certifications

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- MongoDB for Node.js Developers