




# Michal Wojtowicz


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## Summary

Strong and creative engineer with more than 9 years of experience in software engineering and application development.










Working as cloud architect, fullstack engineer and devops.

Moving fast and efficient across multiple technologies.



Effective coach and mentor.

Ready to work closely with both teams and customers to identify the most efficient and beneficial solutions for process improvement.

## Skills

-  AWS
-  Terraform
-  Docker
-  Kubernetes
-  Ansible
-  .NET Core
-  Python
- JavaScript
-  NodeJS
-  React
-  AngularJS
- PHP
- Websockets
- SQL
- Chef

## Achievements

- 3800+ reputation points on [StackOverflow](#) 
- Integration with Apple Business Chat
- Mentoring of whole teams and [individuals](#) 

- I ran AWS Week knowledge session series twice ( [1](#) | [2](#) )
- I spoke on WeBB Meetup about JavaScript Event Loop
- I did Docker&Kubernetes workshops in my company and on [Bielsko-Biala university](#)
- I also spoke about Docker&Kubernetes on Java User Group in Bielsko
- [3rd price in first hackathon on the top of Szyndzielnia mountain](#)

## Work history

**SIEMENS**

### Cloud Architect

**Siemens**

*Katowice, Poland*

🕒 since January 2022 until present

### Cloud architect responsibilities

- ISO27001 and SOC2 compliance
- security management of employee permissions
- Disaster Recovery procedures
- shared terraform modules used across many products of Siemens
- Open Source compliance
- Architecture Decision Records

### General responsibilities

- Security first
- Mentoring of engineers - in groups and individually
- Performing estimates of work hours and tracking progress using SCRUM methodology.

**SIEMENS**

### Senior Cloud Developer

**Siemens**

*Katowice, Poland*

🕒 December 2019 - December 2021

### Responsibilities of DevOps

- Design and implementation of AWS Cloud infrastructure
- Terraform scripts that set up the whole project's infrastructure
- Deploying containers to AWS cloud to ElasticBeanstalk and ECS

- Ansible playbooks which provision EC2 instances
- Designing CI/CD processes, from early build to deployment
- Implementation of CI/CD processes in Gitlab pipelines
- Scripting in Bash, Python, Powershell
- Autoscaling, redundancy, high availability
- List of AWS services used and managed by me:
  - Lambda
  - EC2
  - VPC
  - S3
  - CloudFront
  - RDS
  - DocumentDB
  - SQS
  - SNS
  - SES
  - ElastiCache (Redis)
  - ECS
  - KMS
  - IAM
  - Systems Manager
  - Route53
  - ACM
  - ELB, ALB

### **Responsibilities of backend developer**

- Writing code in .NET Core
- Unit/Integration tests
- Code analysis, error correction
- Integration with 3rd party microservices
- Cache management

### **Responsibilities of frontend developer**

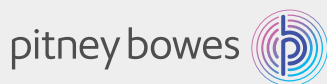
- Writing code in React, CSS, HTML
- Delivering shared components to other company divisions

### **General responsibilities**

- Mentor and developed junior developers and engineers.
- Performing workshops and lectures on behalf of Siemens.
- Performing estimates of work hours and tracking progress using SCRUM methodology.
- Collaboration with team members to create and integrate high availability solutions for mission-critical applications.
- Collaboration with UX/UI team
- Collaborated with project managers, developers, quality assurance and customers to resolve technical issues.
- Code analysis and errors correction
- Optimizing applications performance by making adjustments and resolving bugs.

### Product I am involved in:

- PADS Connect



### Senior Software Engineer

#### Pitney Bowes Inc.

*Bielsko-Biala, Poland*

🕒 September 2016 - November 2019

### Responsibilities of DevOps

- Design and implementation of AWS Cloud infrastructure
- Provisioning of EC2 instances using Opsworks and Chef
- Deploying containers to AWS cloud to ElasticBeanstalk, ECS
- Deploying Lambda functions
- Designing CI/CD processes, from early build to deployment
- Implementation of CI/CD processes in Gitlab, Bitbucket, CircleCI, also with Jenkins
- Writing scripts in Bash, Python, Ruby
- Describing infrastructure as a code with Terraform and Cloud Formation
- Describing state of instances using Chef
- Autoscaling, redundancy, high availability
- Preparing of devboxes using Vagrant, provisioned by Chef or Ansible
- List of AWS services used and managed by me:
  - Lambda
  - EC2
  - VPC
  - S3
  - CloudFront

- RDS
- SQS
- SNS
- SES
- ElastiCache (Redis)
- ElasticBeanstalk
- ECS
- EKS
- KMS
- Route53
- ELB, ALB
- Network related tasks, like calculating subnets, routing traffic between services, load balancing, blue/green deployments
- Integrations between Slack, Gitlab, Bitbucket, Github, AWS - just to make life easier with one click or command.

## **Responsibilities of backend developer**

- Writing code in languages: PHP, Node.js, Python, Typescript
- Designing and implementation of highly reliable software
- Unit/Integration tests
- Refactoring of existing code
- Code analysis, error correction
- I brought to the team static analysis tools, and I enabled them into CI/CD process
- Integration with 3rd party authentication/authorization services like Okta, Auth0, AWS Cognito, Facebook, Google, Azure AD
- Integrations with loads of APIs (REST or SOAP)
- Fixing security holes (identified by CVE reports)
- Implementing cryptography algorithms
- Cache management
- Benchmarks with XHProf
- Manipulating images and videos in realtime with ImageMagick and FFmpeg

## **Responsibilities of frontend developer**

- Writing code in languages: JavaScript, Typescript, CSS, HTML
- JS framework I'm working with: Angular, AngularJS
- Bootstrap
- Designing and implementation of web applications based on Angular
- Progressive Web Apps (offline first)

- Cache management
- Delivering content best fit to end user device
- Benchmarks with Angular Batarang

## General responsibilities

- Mentor and developed junior developers and engineers.
- Performing workshops and lectures on behalf of Pitney Bowes.
- Performing estimates of work hours and tracking progress using SCRUM methodology.
- Collaboration with team members to create and integrate high availability solutions for mission-critical applications.
- Collaboration with UX/UI team
- Collaborated with project managers, developers, quality assurance and customers to resolve technical issues.
- Code analysis and errors correction
- Optimizing applications performance by making adjustments and resolving bugs.


## Products I was involved in:

- EngageOne Video
- EngageOne Converse

### Software Engineer







**Quantoo sp. z o.o.**

*Cracow, Poland*

 May 2012 - August 2016

- Writing code in languages: PHP, JavaScript, CSS, HTML
- Used frameworks: Symfony, Zend
- Bootstrap, jQuery
- Mobile apps with Apache Cordova, Phonegap, Ionic framework
- Collaborated with designers to create clean interfaces and simple, intuitive interactions and experiences.
- Programmed in an object-oriented programming language with an eye toward code abstraction and reuse.
- Collaborated with stakeholders to address technical issues and develop effective resolutions.
- Oversaw a 8-person team working at our client's site

## Projects I did at that time

- <https://intersailclub.com/> 
- <https://smaker.pl/> 
- <https://www.dormeo.co.uk> 
- <https://www.maxmodels.pl> 
- <http://y-box.pl/> 
- <https://www.raffaello.de> 
- ... and many more, which are not online anymore