

Ionuț Băjescu

Lead DevOps Engineer, specialising in DevOps and SRE
ionut@bajescu.com and +44 7856 836 731

KNOWLEDGE

Languages: Go, PHP and Python.

Tools: Docker and Kubernetes; Gitlab, Bamboo and Jenkins; Ansible, Terraform and AWS.

Concepts: Microservices, TDD, BDD, and E2E Testing.

EXPERIENCE

Lead DevOps Engineer — *Here Technologies, Berlin (DE)*

Nov 2019 - May 2020

Developed a new distributed service written in Go to serve maps on Kubernetes that cost 5% of what our legacy service used to cost, a cost-saving big enough that it helped us reach our AWS saving goal for the rest of the year. The service also reduced the time it used to take us to release new maps to 15% compared to before.

Using automated tests, I've ensured fault tolerance to issues such as network partitioning or loss of data.

Handled updates for one of our internal Kubernetes (EKS) clusters, as well as reconfigured it to use cheaper instances. Moved two of our Gitlab runners on the cluster where they could auto-scale using spot instances.

Implemented review apps for the new service, isolated production-like environments for all pull requests.

Go, Python, AWS, Terraform, Jenkins, Gitlab, Kubernetes and Docker.

Senior Software Engineer (with DevOps responsibilities)— *Morneau Shepell, London (UK)*

Jun 2018 - May 2019

Working directly with the Head of API, I have moved our deployment pipelines from Jenkins to Bamboo to support our new fleet of microservices. I have maintained the Terraform scripts responsible for building up the microservices on AWS and helped other developers in using Terraform.

Some of the services that we've built were in PHP with Symfony, whereas others were command line programs written in Python.

While the role that I was initially hired for was of a Senior Software Developer, I always aspire to do the work that my team requires me to do in order for us to deliver. Hence, a big part of my work involved working on the new Terraform modules and the Bamboo deployment pipeline.

Terraform, AWS, Microservices, PHP, Symfony, Java, Python, Docker and Bamboo.

Senior Software Engineer (with DevOps responsibilities)— *Sykes Cottages, Chester (UK)*

Mar 2016 - Jun 2018

Maintained and improved legacy codebases while building microservices for the new functionality.

Held a Show and Tell presentation on Terraform, and a workshop on Docker.

Responsible for a data aggregation project for property owners, where I had to step up and ensure that the business owners of the project were here kept up to date of any developments without using too much technical jargon.

Implemented Braintree, our new payment gateway. I was responsible for the repeat payments.

Implemented a two-way synchronization tool between Microsoft Exchange and an in-house built calendar software.
PHP, Laravel, Slim, Docker, Codeigniter, MySQL, Javascript and AngularJS.

Freelance Senior Software Engineer— Remotely

May 2015 - Mar 2016

Client: VSS Mind

For roughly five months, I have worked for VSS Mind helping them to build “Launchpad” - a tool that allows you to launch your email marketing business in under 60 minute.

Created the Publish Academy Leaderboard, displaying a ranking of our affiliates and the prizes that they were eligible for.

PHP, Laravel, Lumen, ImageMagick, Javascript and AngularJS.

Client: 4everproxy

4everproxy is a network of websites that allows you to unblock access to Youtube, Facebook or Twitter in countries where access to these websites is restricted.

PHP, Silex, Javascript and jQuery.

Client: Smarter Digital

Smarter Digital is a marketing and web development agency from London.

PHP, Laravel, Javascript, AngularJS.

Software Engineer— NEVO Advanced Technologies, Bucharest (RO)

Nov 2014 - May 2015

As a full-time employee I was involved in developing their subscription billing platform, improving the efficiency of a scheduled task and also helping out with one of their clients when they’ve asked us to help them with their website.

PHP, Laravel Javascript, AngularJS, jQuery.

Software Engineer— SEOMAXIM, Bucharest (RO)

Jan 2014 - Nov 2014

As a full-time employee, I've developed several websites alongside with the other members of the team and maintained the existing projects, one of which was an online ads website.

- Assisted the other programmers when they had programming-related questions.
- In my quest to improve the tech used by the company, I've led the migration from an in-house framework to Laravel, from having its own collocated server to cloud services and from Skype to Hipchat for intra-company communications.

PHP, Laravel, Javascript, AngularJS and jQuery.

Freelance Software Engineer— Remotely

Jan 2013 - Jan 2014

Built the serialetv.net and cevisezi.ro websites for two of my clients.

Separately, I've created an online PHP course available at <https://programam.ro/posts/view/curs-php-mysql>. The course explains the basics of using MySQL in PHP, Regex, interacting with external APIs and how to avoid vulnerabilities such as XSS and SQL Injection.

PHP, Laravel, Javascript, AngularJS and jQuery.