# Alexandru Năstase

Senior Software Engineer

## Contact

linkedin.com/in/alexandrunastase
github.com/alexandrunastase

## Skills

• PHP / Symfony
• Go / gin
• C# / .NET
• Javascript
• RabbitMQ
• MySQL / PostgreSQL
• Communication
• Conflict Resolution

## Address

Berlin, Germany

## Education

**University POLITEHNICA of Bucharest**
2010 - 2014
Bachelor of Science - B.Sc., Computer Science and Information Technology

## Languages

Romanian - *Native*
English - *C2*
German - *C1*
Greek - *A1*

## Side projects

- jsonformatter.com
- alexandrunastase.com
- Silent Book Club Berlin, Co-organizer

## Summary

Passionate about crafting software and web-based applications in particular. Considerable experience in several industries. Strong believer in Carol Dweck's ideas about growth mindset and continuous learning. Open to trying out new programming languages and technologies.

## Experience

**Founder & Fullstack Software Engineer -- Picstack.com (self-employment)**
June 2024 - Present

*Berlin, Germany*

Main responsibilities include:

- Defining priorities for the MVP in collaboration with an experienced photographer
- Researching technologies that best fit a bootstrapped business
- Setting up layout and design principles for the application
- Collaborating with QA on tackling bugs and improvements
- Setting up a production-ready infrastructure cluster (Web, Worker, PostgreSQL, Redis)
- Designing marketing and communication strategy
- Handling Legal and tax-related matters, including Business Plan creation, creation of legal entity, communication with German authorities
- Conducting market research, designing client interviews and feedback surveys

This is a bootstrapped project that I developed from scratch, with the help of a friend that contributed with the domain knowledge and with QA.

**Industry**: Photography
**Technologies**: PHP 8, Symfony, FrankenPHP, Kamal, PostgreSQL, Redis, Docker, Stimulus, Javascript, Tailwind CSS, Ansible, Node.js, Playwright

**Senior Software Engineer -- Legal One (now Rightmart.de)**
May 2019 - May 2024

*Berlin, Germany*

Main responsibilities included:

• Doing requirements analysis during Grooming and Estimation sessions
• Implementing new features and investigating/fixing bugs
• Participating in the Code Review process, both as a reviewer and reviewee, and finding common ground with colleagues on tech decisions
• Covering implemented features by Integration/Unit tests
• Offering support to QA engineers during the testing phase
• Releasing features on the production Kubernetes cluster and monitoring releases soon afterward.
• Reporting and resolving technical debt issues like the upgrade of libraries and frameworks and working on bringing older services to a better technical & test coverage level
• Migrating legacy applications from basic servers to AWS with the support of the SRE colleagues
• Taking part in the interviewing process for hiring new backend colleagues

Notable projects included integrating with beA (besondere elektronische Anwaltspostfach), integrating the clerk task system from Quickbase into the CRM, and leading the efforts to update the invoicing system when VAT was temporarily reduced to 16% during the COVID-19 pandemic.

**Industry**: Legal Tech
**Technologies**: PHP, Symfony, Go, gRPC, MariaDB, Elasticsearch, Redis, MongoDB, RabbitMQ, Kibana, Docker, Kubernetes, GitLab, AWS, Twilio
**Patterns**: CQRS, Event Streaming, Event-Driven Architecture

**Software Developer & Release Manager -- eMAG.ro**
April 2016 - April 2019

*Bucharest, Romania*

Main responsibilities included:

• Maintenance of existing code base through cyclical support sessions
• Requirement analysis
• Implementation of new flows or refinement of existing ones in order to improve operational processes
• Unit testing
• Code review
• Performance analysis and query optimization

Due to prior knowledge of C# and the .NET ecosystem, I was offered the opportunity to implement a proxy application that allows fiscal printers to communicate with both the existing ERP System as well as a new self-service application. Apart from the implementation, I was responsible for setting up the production environments and deployment procedures.

**Industry**: eCommerce
**Technologies**: PHP, Symfony, Silex, MySQL, Elasticsearch, RabbitMQ, HTML, Javascript, jQuerym Git, C#, .NET Core, COM Interop

**Software Developer -- Arnia Software**
November 2015 - April 2016

*Bucharest, Romania*

I was responsible for an invoicing and reporting application based on Symfony and MySQL that was managed by a Belgian-based client.

Some notable changes I added to the application:
• Implementing a database migration system
• Improving code structure by extracting business logic from controllers to stand-alone services
• Improving the way software patches are released in the production environment

**Industry**: Outsourcing - Automotive services
**Technologies**: PHP, Symfony, MySQL, Doctrine, Javascript, HTML, Git

**Software Engineer -- Zitec.com**
July 2013 - October 2015

*Bucharest, Romania*

Responsible for developing and maintaining software solutions for different external clients using technologies like PHP, MySQL, jQuery, and Drupal.

Worked on a side project to improve the development environment provisioning by using Ansible along with Vagrant and VirtualBox. Improved that solution to work on both staging and production and adopted it for a client project.

**Industry**: Outsourcing - Ed Tech, eCommerce, Insurance
**Technologies**: PHP, Drupal, MySQL, Javascript, HTML, Ansible, Git, SVN, Microsoft Azure, Amazon Web Services (AWS)