

Vadym Myrgorod

Software Developer

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Location: Washington Metropolitan Area

I am professional software developer with experience in cybersecurity. I focus on backend, frontend, and DevOps. I am interested in modern trends, such as Artificial Intelligence, Quantum Computing, and Space Exploration.

I contribute to Open-Source projects, speak at IT conferences, write books, and participate in programming contests. I learn quickly and do my work efficiently and with love.

Main Skills	Main Languages and Technologies	
<ul style="list-style-type: none">• Rapid Prototyping• Architecture and Development• DevOps and Deployment• Continuous Integration• Security Analysis• Performance Tuning• Accessibility• Documentation	<ul style="list-style-type: none">• PHP, JavaScript, Python• Go, C, Java• SQL• HTML, CSS• Bash	<ul style="list-style-type: none">• Kubernetes, Docker• Travis CI, Circle CI• Elasticsearch• MySQL• Node.js• Drupal• Web Components• Twitter Bootstrap

Experience

June 2019 – Present

Web Application Developer IV @ Howard Hughes Medical Institute

- Developed new functionality (Varnish front-end monitoring, broadcasting) for Open-Source Kubernetes Varnish controller, kube-httpcache, using Go.
- Developed Kubernetes multi-environment stack for main institution website. Created custom Docker containers and setup Kubernetes manifests.
- Automate certain tasks and deployments using Concourse CI.
- Developed prototypes of new websites using various techniques: Storybook, Lit, REST, Drupal 8, Twitter Bootstrap.

Feb 2019 – May 2019

Principal Software Developer @ Crumpton Group

- Provided architecture for the Go based project to integrate with VirusTotal API in the real-time.
- Contributed code to the Open Source Go packages.
- Automated initial software setup and deployment workflow for security sensors using Linux, Ansible, Docker, and Docker Compose.
- Created Docker images and Docker Compose projects to run Suricata and Logstash in the containers running in the security sensors.
- Setup EC2 AWS infrastructure and configured Siren Platform and Siren Investigate, a custom distribution of Elasticsearch and Kibana.

Mar 2018 – Dec 2019

Consultant @ Medical Science & Computing

- Architected Drupal 8 based website for National Eye Institute.
- Audited, maintained, and improved web based (Code Ignitor) collaboration tool for Boards of Scientific Counselors. Performed security for this project.

- Apr 2014 – Feb 2019 **Senior Drupal Developer @ Georgetown University**
- Setup CircleCI, a continuous integration system to automate deployments using Go, PHP, and bash scripts.
 - Architected and developed multisite WordPress installation.
 - Managed 300+ of Drupal and WordPress websites. Implemented new features. Automated process of new site creation thus saved many hours of manual work. Improved websites performance. Discovered and eliminated security issues.
 - Developed Drupal Multisite Tool (Druml), an Open-Source project to maintain a large amount of Drupal websites.
 - Maintained and improved payment, a Java-based web application, which allowed to share payment accounts between several university merchants. Switched this system to use the new Cyber Source API.
 - Maintained internal Python/Django based applications.
- Oct 2013 – Mar 2014 **Team Lead (offshore contractor) @ Blink Reaction International**
- Led a team of Drupal developers. Worked on the architecture and implementation of Drupal projects. Met with clients to gather requirements and demonstrate progress.
 - Completed several projects for a one of the largest pharmaceutical companies in the world within strict deadlines.
- May 2013 – Sep 2013 **Founder @ Coder Blvd**
- Worked on the business development.
 - Interviewed and hired developers.
 - Establish business processes.
- Aug 2010 – Apr 2013 **Lead Developer, Operations Lead in Eastern Europe @ Trelon, LLC**
- Worked on the Drupal projects for organizations and universities including Center for Climate and Energy Solutions, Earth Day Network, National Institutes of Health, Cornell University.
 - Created iOS application for one of the clients using Drupal and PhoneGap.
 - Grown development team in Ukraine from 1 to 5 people.
 - Contributed into Drupal core and created new Drupal modules. Worked on the OpenSource CRM Core module and AbleOrganizer Drupal distribution.
 - Spoke at the Drupal Conferences in Chicago, Munich, Portland and Prague. Organized Drupal Camp Donetsk 2011 and other local events in Donetsk.
- Jul 2009 – Jul 2010 **Assistant @ Donetsk National Technical University, Dept. of Computer Systems for Monitoring**
- Authored and taught Web Design and Web Development courses.
 - Created and maintained OpenAcadep, a Drupal-based distribution for building academic department websites.
 - Set up and maintained Linux server for web hosting and file sharing.
- Aug 2007 – Jul 2010 **Freelancer**
- Worked as a part time Python and Drupal/PHP developer with clients and companies including Pagema, Design Industries, Alaska Tech Support, Donetsk National Medical University.
 - Developed contact management software and a website for Private Enterprise "Kontinental" using Microsoft Access and Microsoft Visual C++.

- Dec 2005 – Sep 2006 **Junior Software Engineer @ Private Enterprise "Algo-Rithm"**
- Developed new functionality in C++ for the product known as PawnShop.
 - Created catalogue module for a custom PHP engine.
 - Performed an integration with a credit card processing center.
 - Created online stores based on the custom PHP engine.

Education and Trainings

- Sep 2001 – Jun 2003 **Donetsk College**
Physics and Math
- Sep 2003 – Jun 2007 **Donetsk National Technical University**
Bachelor of Computer Science
- Sep 2007 – Dec 2008 **Donetsk National Technical University**
Master of Computer Science
- Dec 2009 – Feb 2010 **Sun Academic Initiative in DonNTU**
Instructor-led Training “Java Fundamental”
- Mar 2010 – May 2010 **Sun Academic Initiative in DonNTU**
Instructor-led Training “Java Advanced Introduction”
- Sep 2018 – Oct 2018 **Canvas**
Web Accessibility course for Developers

Book



- Backbone.js Cookbook**
PACKT Publishing, 2013
<http://www.packtpub.com/backbonejs-mvc-rest-cookbook/book>

Recent Conference

- Aug 2021 **Speaker**
DrupalCon North America

Recent Achievement

- Feb 2020 **Top 8% in qualification round**
Google Hash Code