



Vadim A.

Senior DevOps Engineer / Cybersecurity Expert



Professional summary

Senior DevOps Engineer / Cybersecurity Expert with 10.5+ years of strong hands-on experience in supporting, automating and optimizing mission-critical deployments, AWS, efficient configuration management, CI / CD and DevOps processes. In addition, was engaged in the search for vulnerabilities in various ways, attacks and testing, including certification (state security), the development of safe civilian and military software solutions. Has knowledge of VAPT Services and Pen Testing. Can conduct a full range of activities aimed at identifying and eliminating problems related to information security at all stages of the life-cycle.

Education

Penza State University. Qualification awarded: Degree in Information Security.

Industries

FinTech, Sales & Marketing, Communications, Technology, Enterprise

Technologies and tools

- Jenkins, TeamCity, Docker, Kubernetes, SonarQube
- ELK Stack
- Prometheus, Grafana
- Terraform
- AWS (EC2, S3, IAM, SG, WAF, SQS, etc.), GCP, Microsoft Azure
- Python, JavaScript, C, C++, C#, Objective-C, PHP
- AFNetworking
- MongoDB, SQLite, DynamoDB
- Apache HTTP Server, Nginx
- Selenium, JUnit, Karma, Redmine
- SVN, Git
- Fortify, CheckMarx, Acunetix, Burp, Nmap, NESUS, ThreadFix

PROJECTS

Data layer

Duration: 08.2020 – till now

An Australian-based business and technology consulting firm with the first-rate business acumen, servicing solo operators to large corporations in the healthcare, financial services, agriculture and member services industries across Australia and the Asia-Pacific.

Team

10 specialists

Position

Senior DevOps Engineer

Responsibilities

- Deploying staged release of the developers in the production
- Integration and deepening the development processes in the supply
- Standardizing the development environment
- Setting up infrastructure on the especially developed software
- Preparation of the production environment to frequent changes
- Detection and correction of problems
- Process Automation

Technologies and tools

- AWS, AWS Lambda, Amazon API Gateway, Microsoft Azure, DynamoDB

Information app

Duration: 03.2020 – 07.2020

Development of an application for tracking potentially COVID-19 positive people's interactions with others in order to stop pandemic spread of infection. The application also covers informational needs of worldwide statistics, articles and frequently asked questions about COVID-19.

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10 specialists

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Technologies and tools

- Jenkins, AWS, DynamoDB, Redis, Percona

The project is for a Swiss company active in the finance and technology sector with a focus on the structured products segment. Based on proprietary, high-powered, modern technology, the company offers products and services related to derivative investment products and predominantly covers the capital protection, yield enhancement and participation product classes. This means that the company acts both as a direct issuer of its own products and as a partner to other financial institutions.

Team

6 specialists

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Technologies and tools

- Kubernetes, SonarQube, Jenkins pipelines, Docker, Elasticsearch, Logstash, Kibana, Prometheus, Grafana, Terraform, Google Cloud Platform, AWS, SBT, GitHub

Advertising app

Duration: 03.2018 – 10.2018

A project for a large company working in the field of advertising, targeting and promotion of brands. It provides breakthrough big data capabilities based on search engines, e-commerce, and web consumer behavior helping clients to unlock their business growth.

Team

9 specialists

Position

Senior DevOps Engineer

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- Process Automation

Technologies and tools

- Jenkins, Kubernetes, SonarQube, JavaScript, Nginx, Selenium, Git, Shell Scripting, Jira

Social networking platform

Duration: 01.2018 – 03.2018

A social networking platform that uses location-based services to communicate with like-minded people. Our goal is to encourage social networking users to find new interesting people, doing what they like.

Team

7 specialists

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Technologies and tools

- SonarQube, Jenkins, JavaScript, Nginx, Selenium, Git, Shell Scripting, Jira

Business development website

Duration: 07.2017 – 12.2017

We have developed a solution that allows a person leading a business to design a website with all interesting integrations, such as Facebook, Instagram, Mail. It allows to conduct mailing, surveys and other business-oriented tasks.

Team

27 specialists

Position

Senior DevOps Engineer

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Technologies and tools

- Jenkins, Docker, Ansible, AWS

Security tool

Duration: 05.2016 – 07.2017

Our team assisted a company, which had a contract for controlling unmanned airplanes with Air Forces of the United States, with checking code security using a special tool. Moreover, we double-checked the code security with the tool to make sure it's absolutely invulnerable.

Team

3 specialists

Position

Senior Security Specialist

Responsibilities

- Vulnerability search in the source code
- Automation of the vulnerability search process
- Analysis of services to find vulnerabilities and compare their quality
- Vulnerability scanner infrastructure analysis

Technologies and tools

- SonarQube, Fortify, CheckMarx, Veracode, ThreadFix

Mobile app

Duration: 03.2017 – 05.2017

The client produces and installs the walls from plants to clean the air. Using the mobile application the client can see the air parameters, change and control the functions of the wall - watering, lighting etc.

Team

10 specialists

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- Detection and correction of problems
- Process Automation
- Code review

Technologies and tools

- SonarQube, Jenkins, Python, Apache, Nginx, JUnit, PHPUnit, PHPMD, Git, Shell Scripting, RabbitMQ, Jira

Sports app

Duration: 01.2017 – 02.2017

The application is for surfing, skateboarding and kitesurfing lovers and allows to share photos and videos, create and check the reports about the places of riding and etc. We have developed an app for a mobile browser and also worked at Android- and iOS-versions.

Team

6 specialists

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- Code review

Technologies and tools

- SonarQube, Jenkins, Apache, Nginx, Redmine, Selenium, Karma, Git, Windows bat, Shell Scripting

Medical app

Duration: 10.2016 – 12.2016

This application for iOS, Android and a web browser allow California citizens to find places where they can buy medical marijuana with a prescription. Pharmacies, dispensaries, delivery services, doctors and thematic stores are displayed on the map.

Team

9 specialists

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Technologies and tools

- SonarQube, Jenkins, Python, Apache, Nginx, JUnit, Selenium, SVN, Shell Scripting, RabbitMQ, Jira

Web app

Duration: 07.2016 – 09.2016

Admin web application with latest Angular version and Angular CLI. The tool for managing company advocates. Microservices and API part managed by JHipster.

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- Code review

Technologies and tools

- SonarQube, MongoDB, Apache, Nginx, Selenium, Karma, SVN, Git, RabbitMQ, Windows bat, Shell Scripting

Dating app

Duration: 04.2016 – 06.2016

A dating application which goes far beyond the usual practice of similar apps. First of all it helps lonely people to find a company to spend their free time - for coffee, lunch or a movie.

Team

9 specialists

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- Process Automation
- Code review

Technologies and tools

- SonarQube, Jenkins, Python, Apache, Nginx, JUnit, PHPUnit, PHPMD, Git, Shell Scripting, Jira

Health information app

Duration: 11.2015 – 03.2016

The client is the producer of ecologically clean smart mattresses of premium quality. The mattress has a built-in sensor that reads up to 9 body parameters. We created a product that collects information about user's sleep, his daytime activity, diet, analyzes and gives recommendations for the improvement of sleep quality.

Team

12 specialists

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- Detection and correction of problems
- Process Automation
- Code review

Technologies and tools

- SonarQube, TeamCity, Python, Apache, Nginx, JUnit, PHPUnit, PHPMD, Git, Shell Scripting, Jira

Business solution

Duration: 08.2015 – 10.2015

Our team participated in the development of several customer projects. On the backend, we expanded the functionality, optimized the processing of data, covered the project with autotests. We also developed an application for organizing and planning various business events and developed a CRM system for managers.

Team

29 specialists

Position

Senior DevOps Engineer

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- Preparation of the production environment to frequent changes
- Detection and correction of problems
- Process Automation
- Code review

Technologies and tools

- SonarQube, Jenkins, Python, Redis, Apache, Nginx, JUnit, PHPUnit, PHPMD, Git, Shell Scripting, Jira

ERP system

Duration: 05.2015 – 07.2015

An ERP system is developed for a major insurance holding. We created an efficient software complex for tens of thousands of users. The system includes a complete list of counterparties ensuring invoicing, payment control, reporting, etc.

Team

12 specialists

Position

DevOps Engineer

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- Standardized the development environment
- Set up infrastructure on the especially developed software
- Preparation of the production environment to frequent changes
- Detection and correction of problems
- Process Automation
- Code review

Technologies and tools

- SonarQube, TeamCity, Python, Redis, Apache, Nginx, JUnit, PHPUnit, PHPMD, SVN, Shell Scripting, Jira

Several projects related to cybersecurity: board communication complex; protection of digital video station and telephone communications; antivirus control with the function of the Firewall; secure user PC workstation; key generation station; portable encoder; crypto router; a device that represents a crypto secure mobile smartphone; crypto-protected flash memory; complex protection of especially important persons; communication program of launch vehicle with the earth station.

Team

5-7 specialists

Position

Cybersecurity Expert

Responsibilities

- Verification of security requirements in accordance with the technical specification, government regulations
- Static code analysis
- Dynamic code analysis
- Functional and other experimental studies

Technologies and tools

- C, C++, C#, MASM 32, Assembler for 8086 Family of Microcontrollers, GAS, AK-BC, Understand (SciTools)

Application for girls

Duration: 02.2012 – 05.2012

An application which is aimed at helping young girls where they can keep a calendar, communicate with other girls, as well as have the opportunity to consult a doctor.

Team

3 specialists

Position

iOS developer

Responsibilities

- Developed an application with the Core Data framework
- Troubleshoot, involving software debug/upgrade process
- Reviewed the work of the team members

Technologies and tools

- CoreData, Core Animation

Healthcare app

Duration: 10.2011 – 01.2012

Mobile application for diagnosing diseases. With the help of an anatomical drawing, a person can choose the area of pain. Answering the leading questions the user gets his diagnosis and recommendation which doctor should be contacted.

Team

3 specialists

Position

iOS developer

Responsibilities

- Implemented new features
- Verified and deployed system components
- Managed an app from the deployment to the production stage

Technologies and tools

- AFNetworking, Google Maps SDK, Core Animation

Taxi app

Duration: 07.2011 – 09.2011

We have created a mobile app which simplifies communication between a taxi and a manager. Using this application, a user can order a taxi to anywhere in a city.

Team

3 specialists

Position

iOS developer

Responsibilities

- Developed an application from scratch
- Made daily calls with the Customer
- Devised possible solutions to anticipated problems

Technologies and tools

- AFNetworking, Google Maps SDK

App for fathers

Duration: 05.2011 – 07.2011

An audio-book application for mobile and tablets with animation. An interactive book for young fathers helping with the upbringing of their children. Contains video clips, voice acting and animation.

Team

3 specialists

Position

iOS developer

Responsibilities

- Investigated the Customer's requirements
- Developed animated UI using Core Animation
- Created technical documentation for reference and reporting

Technologies and tools

- iOS, Objective-C, Core Animation

Interactive book

Duration: 03.2011 – 05.2011

An interactive book about adventures. There are hidden riddles and encrypted messages on the pages. The first one who unravels them receives a prize.

Team

3 specialists

Position

iOS developer

Responsibilities

- Development of an app according to the Customer's requirements
- Mentored less experienced developers
- Gathered and evaluated users' feedbacks

Technologies and tools

- AFNetworking, Google Maps SDK

News app

Duration: 01.2011 – 03.2011

News application for mobile phones and tablets. It allows you to get the latest news from your region, as well as a summary of the most important news of the country.

Team

7 specialists

Position

iOS developer

Responsibilities

- Application design (iOS app design, Crypto Protocol and UI/UX HIG enhancements)
- Code review
- Communication with the development team and the Customer

Technologies and tools

- iOS, Objective-C, AFNetworking

Service app

Duration: 10.2010 – 12.2010

Mobile App for ordering services like cleaning, repair and etc. With the help of a mobile phone, a user can leave a request for restoration, cleaning and maintenance services.

Team

6 specialists

Position

iOS developer

Responsibilities

- Reviewed the work of the team
- Created a storage layer (communication with the database)
- Implemented new and maintained old features
- Publication in the App Store

Technologies and tools

- iOS, Objective-C, Xcode, Core Animation, AFNetworking, SQLite, XML

Taxi drivers app

Duration: 08.2010 – 10.2010

Mobile app created for communication between a taxi and a manager. Using this application, a user can order a taxi to anywhere in the city.

Team

3 specialists

Position

iOS developer

Responsibilities

- Application development from scratch
- Communication with the Customer
- Support

Technologies and tools

- iOS, Objective-C, AFNetworking

Audio book app

Duration: 04.2010 – 07.2010

The audio-book application for mobile and tablets. The application contains audio and video files with the stories of the writer.

Team

2 specialists

Position

iOS developer

Responsibilities

- Supervised full development process
- Implemented communication with the back-end
- Took part in devOps and scheduling

Technologies and tools

- iOS, Objective-C, Xcode

Administrative application

Duration: 02.2010 – 04.2010

Project for a Saint-Petersburg information and analytical center. Within the framework of the application, a user can apply to the city administration for the elimination of a certain malfunction or write a complaint about violation of public order.

Team

3 specialists

Position

iOS developer

Responsibilities

- Implemented new features
- Communication with the Customer
- Application architecture development
- Application support

Technologies and tools

- iOS, Objective-C, Xcode, AFNetworking, Google Maps SDK