

# VADIM ZHDANOV

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## Experience

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### ClickPay – [LINK](#)

Sep 2020 – Present

Senior Software Engineer

Remote

- Built new deploy pipelines (include production) with zero downtime
- Reduced build-deploy time from 30 minutes to 15 minutes
- Integrated auto-testing and code coverage to the pipelines
- Built kubernetes deployment instead of virtual machine hosting
- Designed & implemented new approach of collecting history of updating data in the system (more than 100 database objects and 10.000 fields) using MS SQL history tables
- Optimised work with Redis by splitting requests to the independent batches & handling and collecting results in parallel threads
- Implemented custom gateways and routing to support previous technology and implementation with new one

### ClickPay – [LINK](#)

May 2019 – Sep 2020

Middle Software Engineer

Perm, Russia

- Designed & implemented UI component (React) to build new pages using metadata
- Designed & implemented two-factor authentication using Twilio
- Designed & developed multiple internal and external frontend application on React

### PizzaBot – [LINK](#)

May 2019 – Sep 2020

CTO/CPO/Software Engineer

Perm, Russia

- Identified requirements and build new features for the startup
- Designed an architecture for IT & HardWare parts of the startup
- Designed and implemented algorithm to generate unique movements by robotic arm with 7 axis in limited conditions
- Conducted 25 technical interviews & coached 17 new engineers
- Building company's rules inside IT & HardWare departments
- Identified technological stack
- Implemented security, hardware, CRM system inside startup. Deployed first prototype version

### Freelancer

Jan 2017 – Apr 2019

FullStack Developer

Remote

- Identified requirements for the system with stakeholders
- Building architecture of the system both monolith and microservices using DDD pattern
- Implemented system's backend using NET Core (C#) and Entity Framework
- Implemented system's frontend using both Electron and Express + WebPack. Used React + Redux
- Tested system using Jest for frontend and NUnit for backend
- **Best achievement:** identified requirements, designed, implemented and deployed an online store with 100.000 clients per day

## Projects

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### Trilateralss (BluSky Solar & Roofing) – [LINK](#)

March 2022 - Present

Stack: PHP, Kotlin, TypeScript (Angular), MySQL, PostgreSQL, AWS

- Designed a distributed microservice architecture for the CRM system
- Learned & supporting previous implementation of the system (PHP - backend; TypeScript (Angular) - FrontEnd)
- Implemented new microservices using Kotlin (Spring WebFlux) and PostgreSQL
- Integrated a CRM with Facebook Ad
- Integrated a CRM with Docu Sign (smart-contracts)
- Built AWS infrastructure for hosting a system

### h2security – [LINK](#)

Fen 2022 - Aug 2022

Stack: Kotlin, TypeScript (React), PostgreSQL, MongoDB, Redis, Digital Ocean

- Participated in building architecture of the system
- Designed & implemented approach of saving code analysis results in the system
- Ensured application security by designing & implementing the contracts for OAuth 2.0 using Keycloak and Spring Security
- Designed UI/UX of the application. Implemented it using TypeScript (React + Redux)
- Covered application by auto-testing. FrontEnd - Jest. BackEnd - JUnit & Testcontainers
- Designed & implemented gateways for the application using gRPC, Kafka and Spring

## Technical Skills

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**Programming:** Java/Kotlin (Spring, Ktor, JUnit), Go, Python (FastAPI, Django, PyTest), TypeScript (React, Angular), C# (NET Core), SQL  
**Databases:** PostgreSQL, MS SQL, Redis, MongoDB, S3, Liquibase  
**DevOps:** Docker, Kubernetes (Kubectl, OpenShift, Portainer), AWS, Google Cloud, Azure Services, GitLab, Unix/Linux  
**Technologies:** Kafka, RabbitMQ, Keycloak, Snyk, Testcontainers, REST, gRPC

## Education

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### HSE University

Sep 2021 – Jun 2023

*Master of IT Management and Software Engineering*

*Moscow, Russia*

- Work on research paper connected to the blockchain's speed handling with the Azu and single smart-contract storage
- GPA: 7.97/10

### HSE University

Sep 2017 – Jun 2021

*Bachelor of Software Engineering*

*Moscow, Russia*

- Finished two projects works on IoT management and visualisation of cyber-physical objects. Integrate it to the university office
- Finished project works on identification defects on high load conveyor. Participated in startup competition
- Finished project works on IT management with the basis of Agile (Scrum) and Waterfall approaches
- GPA: 9.27/10

## About me

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- I am passionate about software engineering and it is value for the business. I always eager to learn new things
- I love creating really useful products, building company's and team's culture and business/work processes
- Personal qualities: adaptable, flexible, fast learner, hardworking, responsible, open-minded, wide thinking
- Languages: Russian (native), English (flexible), Japanese (beginner)