VADIM ZHDANOV

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Experience

VK-Dzen – *https://dzen.ru/*   **Jun 2023 – Present**
Tech Lead/Team Lead   *Remote*

- Responsible for 7 products inside Zen (dzen-premium; payment gateway; text formats; seo; search; thematic news; comments and an add-on in the form of threads on the main page)
- Lead a team of 7 backend developers (target 10) distributed across 4 teams (2 tech-lead personally). Raised 2 tech-leads from developers
- Redesigned and led the development of dzen-premium, which reduced the RPS in key product services from 6k to 100 and achieved 70% resource utilization; allowed premium content to be embedded in any feeds in the product
- Invented, designed and led the development of a payment gateway, which reduces the time needed to implement new payment systems (vkpay, tinkoffpay) by 3 times; and also reduces the time needed to develop new product functionality where payment is required by 2 times. I am responsible for processing all payments (dzen-premium, dzen-pro, adv)
- Designed and supervised the development of his own robot that meets all the rules of search robots. It allows you to bypass the entire Zen (about 400-500 mln pages) in 1 month and build detailed SEO analytics, which has already identified more than 50 problems and areas of SEO growth
- Designed and led the development of an error log collector for GO services, which reduced incident resolution time and system downtime by about 2 times for GO components

VK-Dzen – *https://dzen.ru/*   **Dec 2022 – Jun 2023**
Senior Software Engineer   *Remote*

- He invented, designed and led the development of a single SEO indexing service for Zen web pages with zero downtime, which increased dzen's DAU by 15%; reduced the speed of building site maps from 6 hours (weekly) to 20 minutes (every 2 hours); increased the number of pages in the index by 2.5 times; reduced the time for adding new ones indexing rules for new formats of 10 man-days to 2 man-days and changing the rules from 4 man-days to 2 hours
- Designed and implemented a service for fully customized in-depth interviews inside the product for measuring NPS, CSI metrics; conducting research on different parts of the product to search for growth areas
- Implemented a backend of dzen content recommendations inside the news using ML formulas and models, which increased the user transition from COLD to HOT by 20%
- Implemented dzen onboarding with user interests for the initial configuration of the recommendation feed with ML formulas, which increased timespend inside native applications and the website by 5% for COLD users

ClickPay – *https://clickpay.com/*   **May 2019 - Dec 2022**
Middle Software Engineer → Senior Software Engineer   *Remote*

- Designed and implemented a new website deployment process with zero downtime; reduced deployment time from 30 minutes to 15 minutes using parallel deployment; reduced WebPack build time from 3 minutes to 1 minute
- Integrated e2e autotesting and code coverage into the deployment process, which reduced the number of bugs by 2 times; code coverage is approximately 70%
- Designed k8s deployment instead of a single virtual machine, which allowed us to expand the product audience to Canada
- Designed and implemented a new approach to data storage and the history of field changes in the system (more than 100 databases and 10,000 fields) using MS SQL, which allowed for a complete audit of any data above the system

PizzaBot – *https://pzzbot.com/*   **May 2019 – Sep 2020**
Co-founder, Software Engineer   *Perm, Russia*

About project: *Full-Customised Vending Machine to cook pizza by robotic-arm*
with fully unique movements. Team consists of 17 IT specialists, 8 engineers, CPO, COO

- Identified the requirements, designed and implemented the MVP, which allowed him to attract investments into the project
- Conducted 40 technical interviews, hired 25 people of IT & HardWare specialties
- Defined the technological stack, designed the architectural bundle of the IT& HardWare project teams
- Formed the development processes of a cross-functional team

Projects

Trilateralss (BluSky Solar & Roofing) – *https://trilateralss.com/*   **March 2022 - October 2024**

Stack: Kotlin, Spring, TypeScript (Angular, React), MySQL, PostgreSQL, AWS

- Designed a distributed micro-service architecture for a CRM system. MVP Website Development
- Designed the UI/UX of the website and implemented the design using React-Typescript + Redux
- CRM system integration with Facebook Ad has been completed
- CRM system is integrated with DocuSign (smart-contracts)
- The cloud architecture of the website has been designed and implemented through the AWS infrastructure. Zero-downtime deployment processes are configured

h2security – *https://h2security.io/*   **Feb 2022 - Aug 2022**

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

- Designed the architecture of the MVP system
- Designed and implemented an approach to preserving the results of vulnerability analysis using tree-based databases
- Implemented application security via 0Auth 2.0 using Keycloak and Spring Security
- Designed the UI/UX of the website and implemented the design using React-Typescript + Redux
- Designed and implemented gateway microservice to implement the gateway architecture of microservices to reduce developer time writing hikes between services

Skills

Soft Skills: *Time Management* (Stress management, Organization, Goal setting), *Communication* (Constructive feedback, Active listening), *Adaptability* (Self-management, Optimism), *Problem-solving* (Fast decision making), *Teamwork* (Conflict management and resolution), *Leadership* (Management skills, Authenticity, Mentorship), *Interpersonal Skills* (Empathy, Networking)
Programming: Java/Kotlin (Spring, Spring Boot, Spring WebFlux, Ktor, JUnit), Go, Python (FastAPI, Django, PyTest), TypeScript (React, Angular), Node.JS, SQL
Databases: PostgreSQL, MS SQL, Redis, MongoDB, S3, Liquibase
DevOps: Docker, Kubernetes (Kubectl, OpenShift, Portainer), GitLab, BitBucket, Azure DevOps, Unix/Linux
Cloud Platforms: AWS, Google Cloud, Azure Services, Yandex Cloud
Technologies: Kafka, RabbitMQ, Keycloak, WebPack, Electron, Express, Snyk, Testcontainers, REST, gRPC

Education

HSE University   **Sep 2021 – Jun 2023**

Master of IT Management and Software Engineering   *Moscow, Russia*

- Worked 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 (Some Other Information)

- Languages: Russian (native), English (flexible), Japanese (beginner)