

Max Zhuk

Full Stack Software Engineer

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10+ YoE in **PHP**, **JavaScript**, and **SQL** programming and **web** development. Proven track record of driving innovation, including development of a proprietary **ORM** library that significantly reduced module development time, and implementation of an AI-powered search engine that increased sales conversion by 26%.

Contributed to **agile** teams of up to 15 developers, excelled in both modern software environments and legacy code. Experienced in backend and frontend development, **API** creation, and comprehensive **testing** strategies.

Skills

Languages: Php, Sql, Javascript, Typescript, Rust

Technologies: Html, Css, Json, Restful API, Git, Gulp, Node.js, Webpack, Docker, Xml, Soap

Databases: Mysql, MongoDB, Redis, PostgreSQL, ClickHouse

Frameworks: Slim, Laravel, Phalcon, React, Symfony, Yii2, CakePhp, Modx, jQuery, Actix

Professional Experience

Senior Software Engineer, Foxo Development, London, Remote

Nov 2024 – now

Project: Secure messaging system

- ✓ Increased the security of data transmission and storage, reducing the risks of vulnerability several times and increasing encryption performance by 130%, by designing and implementing a cryptography module.
- ✓ Increased user loyalty to the application by 20% through the implementation of a secure chat search mechanism.
- ✓ Implemented a complete mail server solution by configuring Postfix, Dovecot and domain settings and integrating a custom Rust-based application for managing email addresses and processing messages.
- ✓ Developed a React.js web client that seamlessly interacts with the Rust API, enabling an intuitive and efficient email management experience.

Senior Software Engineer, NDA, Remote

Feb 2023 – Nov 2024

Project: Data reconciliation system, SaaS

- ✓ Architected and developed a comprehensive data import module, integrating data from 8 distinct third-party sources.
- ✓ Reduced future development time by twice by improved codebase flexibility and maintainability by implementing abstract classes, Data Transfer Objects (**DTOs**), and entities.
- ✓ Optimized database performance by designing efficient **PostgreSQL** schemas, which increased data retrieval speed by 40% and improved overall system responsiveness.

Project: DCP distribution

- ✓ Designed **API** and **PostgreSQL** database solution, optimizing workflows and ensuring 99.9% uptime for critical services.
- ✓ Implemented **Codeception** testing strategy with 326 automated tests, reducing post-release bugs by 42% and enhancing stability by 80%.
- ✓ Reduced unauthorized access incidents by 50% through **Keycloak** integration, streamlining **authentication** and enhancing security management for improved application security.

Project: Highload, multifunctional Customer Relationship Management (CRM) system

- ✓ Engineered CRM features using **Laravel** and **ReactJS**, improving data processing speed by 15% and managing 24% more user load.
- ✓ Wrote detailed technical **documentation** and user manuals, broke down complex technical processes into user-friendly instructions for end-users and stakeholders.
- ✓ Created instructions for a third-party integrated library created in **Rust**.

Skills: Php, Mysql, Postgresql, Docker, React, Laravel, Symfony, Typescript, Strategic Planning, Continuous Learning, Team Collaboration

Senior Software Engineer, Reksoft International, Remote

Jul 2021 – Dec 2022

Reksoft is a software engineering services provider, developed and delivered over 1000 high-end software solutions to international enterprises, ISVs, and system integrators.

Project: Customer personal account, team of 15

- ✓ Implemented advanced **Clickhouse** analytics system, reducing data processing time by 40% while enhancing security and reliability.
- ✓ Improved user engagement by 30% by implementing an event-driven notification system on **PHP**.

Software Engineer, Reksoft International, Remote

Aug 2020 – Jun 2021

Full Stack Software Engineer, Webway, Moscow, Russia

Feb 2017 – Jul 2020

Lead Software Engineer, AppUnit, Krasnodar, Russia

Oct 2014 – Feb 2017

Freelance Web Developer, self-employed, Armavir, Russia

Sep 2007 – Oct 2014

Education

Massachusetts Institute of Technology (MIT) – Online

Introduction to Computational Thinking and Data Science

86 / 100

Armavir Orthodox-Social institute – Armavir, Russia

Master of Philosophy

4.9 / 5.0