

MAKSYM TYMOFEIEV

tymofeiev.m@gmail.com | 416.890.8703 | max-tymofeiev.com | Calgary, AB

SUMMARY

Results-oriented Full Stack Software Developer with over 15 years of experience.

Skilled in creating complex applications from scratch, managing databases, and developing numerous SaaS solutions. Specialize in using PHP, JavaScript, Python.

Proficient in modern backend, frontend, and mobile frameworks, including but not limited to Yii, VueJS, React, React Native, and Fast API. Passionate about engineering new projects and adept at keeping the entire project in mind, thinking five steps ahead to ensure that systems are robust, efficient, and adaptable to changes. Strong proponent of Object-Oriented Programming (OOP) and consistently apply the SOLID and KISS principles to ensure clean, maintainable, and scalable code.

Despite the common preference for starting from scratch, have extensive experience working with legacy code. This involves optimizing, fixing, transferring to new versions, containerizing, and adapting for cloud deployment.

With a focus on delivering value to the company, capable of working independently and collaboratively to drive results while continuously improving technical and soft skills.

SKILLS

PHP 5.x - 8.x

- Yii
- Laravel

JavaScript ES 6 / Typescript

- NodeJS
- NextJS
- VueJS
- React
- ReactNative
- jQuery
- Webpack
- Electron
- Libraries (e.g. Lodash, RJS, Chart.js, Moment.js, etc.)

SQL

- MySQL
- MariaDB
- Mongo DB
- Redis
- Amazon RDS

Python

- FastAPI
- TensorFlow

C#

HTML (HTML 5)

CSS

- LESS
- SASS/SCSS
- Bootstrap
- Tailwind

SVG

RESTful API:

- JSON, XML
- JSON:API
- Swagger
- OpenAPI
- third-party APIs (e.g. Twilio, SendGrid, Stripe, etc.)

Version Control

- Git
- GitHub
- GitLab
- Bitbucket

Cloud Services - AWS

- Route53, S3, EC2, EC2,
- RDS
- ElasticCache
- IAM

CMS platforms:

- WordPress, MODx, Moodle, Joomla, Webasyst – ShopScript, others

Practices and Principles

- CI/CD
- Agile (Scrum, Jira)
- OOP
- SOLID, SMART, KISS

Tests

- Unit Tests
- Integration Tests
- Functional Tests

Mobile Development

- Cordova
- Metro
- JavaScript
- React Native
- Vue.js
- Onsen UI

SaaS

Docker

ORM

- ActiveRecord (Eloquent, YIIAR)
- Data Mappers (Doctrine, RedBean)

CLI & OS

- Linux (CentOS, Ubuntu)
- Mac, Windows
- Windows PowerShell

Design

- UX/UI
- Web Content Accessibility Guidelines (WCAG)
- Wireframes, prototypes storyboards
- Figma, Adobe Photoshop, Illustrator, Draw.io, Inkscape

Microsoft 365

AI (Artificial Intelligence)

- OpenAI API (ChatGPT)
- TensorFlow

PROFESSIONAL EXPERIENCE

Full Stack Web Developer

Oct 2023 – to Present

Sole Proprietor - Calgary, AB, Canada - remote

- Worked on revolutionizing a flexible and reactive CRM using Next.js, React, KNEX, and MySQL, enabling the creation of custom entities, and their relationships. Following the best practices of Object-Oriented Programming (OOP), KISS principles, and SOLID principles.
- Developed parsers utilizing AI techniques to extract information from various websites, contributing to advancements in data extraction methodologies. Actively explored emerging technologies to remain at the forefront of the dynamic AI landscape with chatGPT and the OpenAI API.
- Created personal AI assistant chat bot on personal website to answer all the questions related to professional experience, which hosted on AWS Tier, utilizes EC2 and Route53.
- Worked with Figma API to create a custom Figma Plugin, enabling enhanced design collaboration and automation within the Figma environment. Created Figma plugin to generate table using JavaScript (VueJS). Plugin allows quickly generate tables from CSV files or clipboard data, tailor styles and settings users design need. The auto-save feature ensures templates are always ready for reuse.
- Created rigorous unit and functional testing as integral to ensuring top-notch code quality.

Web Application Engineer

May 2019 – Sep 2023

Union Digital (software company) - Toronto, ON, Canada - remote

- Maintained and developed a large-scale PHP project with over 450,000 lines of code in approximately 7,450 classes (excluding vendor files). Implemented enhancements and optimizations that resulted in a more SOLID, faster, and stable project environment.
- Prioritized load optimization techniques to improve database performance. Effectively manage synchronization lags. Crafting intricate SQL statements and have worked extensively with a variety of ORMs, including ActiveRecord, Doctrine, Eloquent, and RedBean, also developing a custom ORM tailored to meet the unique requirements of projects.
- Implemented various solutions using modern JavaScript, ES6, Node.js, and prominent frameworks including Vue.js (v. 2 and 3), Vuex/Pinia, Vue Router, NextJS, React, React Native, and Angular. Proficient in Webpack and familiar with Gulp, developed front-end web applications, mobile apps, conducted back-end work, and built desktop applications with Electron. Integrated popular libraries like Lodash, RJS, Chart.js, and Moment.js to deliver robust and dynamic user experiences.
- Worked extensively with platforms like GitHub, GitLab, and Bitbucket, gaining expertise in CI/CD practices, following semantic versioning principles, ensuring effective project version management.
- Specialized in cloud technologies, focusing primarily on Amazon Web Services (AWS), including managing services such as Route53, S3, EC2, RDS, ElasticCache, and IAM, while overcoming challenges like scaling applications and navigating transitions.
- Mastered Docker within a span of three years, proficiently managing both Linux and Windows environments. Delved deep into Docker's intricacies, leveraging expertise to streamline routine programming tasks effectively.
- Developed secure voting systems for election head of unions, including standalone desktop application, mobile application and web based RESTful API.
- Revolved around problem-solving, thriving on seeking optimal solutions and persistently exploring avenues for resolution, whether through acquiring new knowledge, consulting specialists, or conducting team brainstorming sessions, all aimed at enhancing expertise and achieving successful task resolution.
- Contributed to the development of mobile applications, including independently building one from scratch, utilizing build tools such as Cordova and Metro, and employing JavaScript frameworks like React Native, Vue.js, and Onsen UI.

Achievements:

- Upgraded the project from PHP 5.6 to 7.1 and subsequently to 7.4 to leverage the latest features, enhance performance, and mitigate unpatched security vulnerabilities.
- Successfully led the migration of a SaaS project from on-premises servers to AWS, addressing issues like RDS reader latency and S3 synchronization, enhancing my problem-solving skills and readiness for future cloud-based projects.

- Significantly improved system performance by reducing the number of hard-coded elements, enhancing the ORM, and updating the logic for calculating user permissions.
- Developed accompanying applications across multiple platforms, including web, mobile (Android/iOS), desktop (Windows/Linux).

Full Stack Developer

Feb 2009 – May 2019

Web studio (sole proprietor) - Kharkiv, Ukraine – remote

- Developed and maintained different websites (both backend and frontend) using Yii2, VueJS and other modern web technologies, also, utilizing PHP-based CMS platforms, including WordPress, MODx, Moodle etc.
- Wrote unit, integration, and functional tests.
- Utilized HTML, CSS, JavaScript, and SVG to create website frontends, leveraging modern CSS and JavaScript frameworks and libraries like Vue.js, React, and Bootstrap.
- Successfully integrated third-party services such as payment systems, various Amazon services (including optical character recognition and S3), cPanel, and SMS, voice, and email marketing services, among others.
- Integrating third-party APIs such as Twilio, SendGrid, Stripe etc.
- Active used CSS, including expertise in Flexbox and proficiency with CSS Grid. My experience extends to CSS frameworks such as Bootstrap (from version 2 onwards), Tailwind CSS, Skeleton, Foundation, and Material Design, having contributed to projects like AdminLTE. Also utilize syntax and an extension of CSS, including LESS, SASS/SCSS.
- Developed a strategic approach where MVP is integrated into a comprehensive plan, utilizing proficiency in project management systems such as Jira and expertise in Agile methodologies. Implemented SMART (Specific, Measurable, Achievable, Relevant, Time-bound) goals to ensure clarity and achieve project objectives effectively.
- Alongside technical skills applied design principles and adhere to UI/UX standards, actively following Web Content Accessibility Guidelines (WCAG).

Achievements:

- Diverse portfolio encompasses a wide spectrum of accomplished projects: management systems for tenders; pharmaceutical warehouse management solutions; a platform for painters to provide their services; a backend for managing conferences based on Jitsi.
- Created dozens of websites and e-commerce projects across various industries, such as construction, housing repair services, education, music labels, clothing, electronics, cosmetics, construction materials, services, webinars, and other sectors.

ADDITIONAL INFORMATION

Education

National University of Pharmacy | Bachelor's degree | Kharkiv, Ukraine

2002

Contribution to community

Created learning materials on Yii2 - PHP framework | Audience 4,000 developers

Established a successful YouTube channel dedicated to teaching PHP and the Yii2 framework, which has garnered over 4,000 subscribers. Continues to receive positive feedback from viewers, affirming its impact in fostering programming skills and aiding subscribers in their learning journeys.