

MAKSYM TYMOFEIEV

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SUMMARY

Results-oriented Full Stack Developer with over 15 years of experience building complex applications from the ground up. Expert in PHP, JavaScript, and Python, with a strong track record of developing scalable SaaS solutions, managing databases, and engineering robust systems.

Proficient in modern backend, frontend, and mobile frameworks such as Yii, Vue.js, React, React Native, and FastAPI. Known for thinking five steps ahead—ensuring systems are not only functional but also scalable, resilient, efficient, and future-proof.

A strong advocate for Object-Oriented Programming (OOP), consistently applying SOLID and KISS principles to produce clean, maintainable, and scalable code. While comfortable building from scratch, also highly experienced in working with legacy code—refactoring, modernizing, containerizing, and preparing for cloud deployment.

Passionate about leading teams, but equally enjoy hands-on work and individual contributions, with a focus on delivering real value, optimizing workflows, and continuously evolving both technical and interpersonal 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

HTML (HTML 5)

SVG

CSS

- LESS
- SASS/SCSS
- Bootstrap
- Tailwind

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

ORM

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

CLI & OS

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

Design

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

AI (Artificial Intelligence)

- OpenAI API (ChatGPT)
- TensorFlow

PROFESSIONAL EXPERIENCE

Software Developer

Nov 2024 – Apr 2025

Carmanah Signs Inc. - Calgary, AB, Canada

- Developed a CMS to manage digital signage content and scheduling for the Lottery & Gaming Division at STRATACACHE, a global leader in digital signage solutions
- Built automation tools, including custom Figma plugins, to streamline and optimize design workflows
- Created desktop applications to automate routine internal processes, improving efficiency across teams

Full Stack Web Developer

Oct 2023 – Nov 2024

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.
- Worked with Figma API to create a custom Figma Plugin, enabling enhanced design collaboration and automation within the Figma environment.
- Created rigorous unit and functional testing as integral to ensuring top-notch code quality.

Achievements:

- 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 personal AI assistant chat bot on my personal website to answer all the questions related to my professional experience, which hosted on AWS Free Tier, utilizes EC2 and Route53.

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 (Co-Founder) - 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 in Pharmacy | Kharkiv, Ukraine

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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.