Nazar **Boyko**

Senior Software Engineer

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Fully Work Authorized · No Visa Sponsorship Required

PROFESSIONAL SUMMARY

Software engineer with 10+ years of experience, specializing in microservices, database optimization, and full-stack development. Spearheaded high-impact projects for global companies, leading to a project reaching $10 million in annual revenue.

KEY SKILLS

Programming:	PHP, Go JavaScript, TypeScript, SQL, PGSQL, HTML5, CSS3
Frameworks/Libraries:	Laravel, Lumen, React.js, Vue.js, Node.js, Symfony, Zend Framework 2, CodeIgniter
Data Storages:	MySQL, PostgreSQL, MongoDB, DynamoDB, SQL Server, Redis, Memcached
Architectures:	MVC, MVVM, HMVC, Microservices, EDA, SOA, DDD, Lucid
CI/CD - Monitoring:	Jenkins, Travis CI, CircleCI, GitLab CI/CD, Git, GitHub, SVN, Mercurial, Docker, Kubernetes, Minikube, Grafana, Chef, ELK (Elasticsearch, Logstash, Kibana)
Industry Knowledge:	OOD, OOP, LAMP, RESTful APIs, GraphQL, Agile, Scrum, Kanban
Others:	Jira, ORM, Unit tests, Cypress, Jest, AWS, S3, EC2, SQS, RDS, OWASP

PROFESSIONAL EXPERIENCE

Vodwork (Aylo project)   Hopkins, Minnesota, US · Remote
Senior Software Engineer   **Jan. 2021 – Present**

- Reduced the complexity of the system, cutting costs by hundreds of thousands of dollars annually.
- Developed and managed 10+ microservices using Go, AWS, Lumen, Elasticsearch.
- Led code review sessions, boosting code quality by 20% and improving performance by 15%. Ensured industry-standard adherence for an efficient, maintainable codebase.
- Attained 96% code coverage via PHPUnit testing, showcasing robust quality assurance.
- Decreased the data logs storing algorithm (space complexity) from $O(N^2 log_2 N)$ to $O(N)$.
- Implemented Elasticsearch v8 to enhance application search, achieving a 50% increase in search accuracy and delivering a 30% reduction in search latency.

Technology Stack: LAMP, PHP 8.2, JavaScript ES14, React.js 18, TypeScript, Cypress, Jest, Go, MySQL, ELK, AWS, PHPUnit, Laravel 10, Lumen, Memcached, Grafana.

PROBEGIN B.V.   Lelystad, Netherlands · Hybrid
Software Engineer / Team Lead   **Sep. 2019 – Jan. 2021**

- Implemented the Lucid architecture, reducing the time for client-server data transfer by 25%.
- Led the development of a high-load CRM system using PostgreSQL, Lumen micro-framework, and Vue.js, achieving a 40% reduction in response time.
- Engineered a secure Single Sign-On service and orchestrated the integration of third-party services.
- Implemented advanced database connection mechanisms, increasing performance by ten times.
- Integrated TDD into the development process, reducing amount of regression bugs by 15% and development time by 20%.
- Guided and mentored four developers, fostering growth and collaborative teamwork.

Technology Stack: LAMP, PHP 7, Laravel 6 - 8, JavaScript, Vue.js 2, PGSQL, Nuxt.js, Node.js, PostgreSQL, AWS, S3, EC2, SQS, Travis CI.

OGD Solutions   Lviv, Ukraine · On-site
Software Engineer   Sep. 2018 – Sep. 2019

- Created a comprehensive web app for independent assessments in the USA.
- Wrote software with a cross-functional team to process large volumes of data from a global survey of nearly 200 million registered users.
- Upgraded services to PHP 7.3, improving performance and ensuring compatibility.
- Integrated Spiral Scout's RoadRunner v1.5 application for load balancing, combining PHP with Go.
- Divided a substantial database into three parts for different clients with distinct access levels and permissions.

Technology Stack: PHP 7, Laravel 5.*, JavaScript, Vue.js, PostgreSQL, AWS, S3, SQS, Jenkins, RoadRunner, Kubernetes, Minikube.

Zelpex Media Group   Lviv, Ukraine · Remote
Software Developer   Jun. 2015 – Sep. 2018

- Executed comprehensive SEO optimization strategies for 10+ websites, resulting in a 60% increase in organic traffic and top rankings on key search engine results pages (SERPs).
- Seamlessly integrated web services and app servers to optimize performance.
- Employed the Zend framework v2 with Doctrine v2 and MVC architecture to craft applications.

Technology Stack: PHP 5.*, Laravel 5.*, JavaScript, Symfony, Zend Framework 2, MongoDB, Google Cloud, DynamoDB.

InCITY Cor.   Ivano-Frankivsk, Ukraine · On-site
Software Developer   Nov. 2009 – Jun. 2015

- Developed, maintained, and promoted 100+ websites for businesses and government agencies.
- Collaborated with diverse clients to create custom design solutions, enhancing website UX and visual appeal, resulting in a 40% conversion rate increase and 25% lower bounce rates.
- Rearchitected the State Pension Fund of Ukraine from a monolith to microservices, resulting in a 30-35% increase in data transfer speed.

Technology Stack: PHP, JavaScript, SQL, jQuery, Bootstrap, CSS, HTML, LAMP.

EDUCATION

Bachelor of Science (BS), Software Engineering, 2008
Software Engineer of Automation and Computer Science,
Ivano-Frankivsk National Technical University "Oil and Gas", Ivano-Frankivsk, Ukraine