

Diovi Robinet Morales

PORTFOLIO ONLINE • LINKEDIN LINK • GITHUB LINK •  MOBILE +375 33 349 1977 •  EMAIL drobinetm@outlook.com

PROFESSIONAL SUMMARY


I'm a Software Engineer with over 6 years of experience, committed to constructing reliable and maintainable software. My work is motivated by a respect for best practices and a dedication to crafting clean, efficient code. I enjoy acquiring knowledge and implementing software architecture principles, design patterns, and Test-Driven Development (TDD) to generate thoughtful, lasting solutions. I am to keep evolving as a developer, always striving to contribute positively to each project and team.

EDUCATION

UNIVERSITY OF COMPUTER SCIENCE (UCI)

Software Engineering

 Havana, Cuba

 September 2004 – September 2009

5 years of study of all levels of software development and engineering and its fundamentals. Important programming concepts and paradigms, learning Artificial Intelligence, Software Management and Machine Computing.

SKILLS SUMMARY

- Cloud Architecture & Scalable System Design (AWS, Digital Ocean)
- Full Stack Development (Backend & Frontend Proficiency)
- Database Optimization & Query Performance Tuning (SQL & NoSQL)
- API Design & Integration (RESTful, GraphQL)
- Containerization & Orchestration (Docker, Kubernetes)
- Microservices Architecture Development & Maintenance
- Security-First Development Practices & Compliance Implementation
- Cross-Platform Application Development (Web, Desktop)
- Test-Driven Development & Quality Assurance (TDD, BDD)
- Framework Proficiency Across Languages (Laravel, Django, .NET)
- Codebase Refactoring & Legacy Systems Modernization
- Serverless Architecture & Cloud Functions Implementation
- Data Modeling & Schema Design for Relational/NoSQL
- Responsive & Adaptive Web Design
- Static Site Generators & Modern Build Tools (Astro, Vite)
- Backend Optimization for High-Concurrency Systems
- Authentication & Authorization Protocols (OAuth, JWT)
- DevOps Automation for Deployment & Scaling
- Advanced Debugging & Issue Resolution Techniques
- Event-Driven Architecture & Asynchronous Processing
- Data Visualization & Reporting Tools Integration
- Big Data Processing & Analysis (Pandas, MongoDB)

TECHNICAL SKILLS SUMMARY

- **LANGUAGES** Python, PHP, Javascript, Typescript, C#, Java, SQL, Go
- **TOOLS/TECHNOLOGIES** AWS, (ECS, ECR, Lambdas, CodePipeline), Git, Docker, Jenkins
- **DATABASES** MySQL, PostgreSQL, MongoDB, DynamoDB, SQLite, SQL SERVER
- **FRAMEWORKS/LIBRARIES** Django, FastAPI, Flask, Laravel, Symfony, CakePHP, NodeJS, NestJS, NextJS, React, Vue, Angular, ASP .NET

FREELANCER

Senior Software Engineer

Hrodna, Belarus

📅 Current

➤ BACKEND DEVELOPMENT AND API CREATION

- The lack of standardised APIs can hinder communication between systems. I will design and develop RESTful and GraphQL APIs in Python, PHP, and Go, ensuring security through OAuth2 and JWT authentication. This will support high traffic volumes, reducing response times by **40%** and achieving **99.9%** availability.
- Integrate robust connections with external APIs and microservices, applying modern architectural principles that minimized synchronization errors by 30% while accelerating integration time for processes by 50%.
- Monolithic applications can limit scalability and performance. I will design and execute microservices architectures using PHP and Python, enabling horizontal scaling and improving performance, supporting 3x traffic volume without increasing latency.

➤ AUTOMATION AND SCRIPTING

- Manual repetitive tasks consume significant resources and are prone to errors. I will automate critical processes, such as data manipulation and report generation, using scripts in Python and PHP. This will save 200+ hours/month and **improve accuracy by 40%**.
- Manual deployments pose risks and delays. I will deploy CI/CD pipelines using tools like GitLab or Jenkins, automating testing and deployments, which will reduce deployment and lowering initialization durations by frequent, reliable releases.

➤ SERVER MANAGEMENT AND DEVOPS

- Manually configuring servers can be inefficient and error-prone. I will set up and manage servers in the cloud (AWS, Digital Ocean), securing high availability (**up to 99.99%**) and scalability for high-traffic applications).
- Manually configuring infrastructure can cause delays. I will automate infrastructure provisioning using Terraform and Ansible, minimizing setup time **from 2 days** to under 1 hour while confirming consistency across environments.

DSPOT SP. Z O.O

Senior Software Engineer

Hrodna, Belarus

📅 August 2019–November 2024

➤ ELECTRONIC COMMERCE WITH STRIPE:

- Innovated a seamless payment processing system using Stripe's API, generating accurate reports and automating webhook handling. This moderated payment reconciliation time by **40%** and minimized errors.
- Applied functionality for creating and managing Stripe accounts linked to businesses, streamlining onboarding processes and **cutting configuration periods by 30%**.

➤ SCHEDULE ON AWS SERVERS:

Commands created to run the Schedule class from an AWS EC2 or Linux server. This functionality is required when it is necessary to create scheduled tasks to be executed at specific times within the server, keeping in mind the client's schedule. Skills to keep in mind:

- Configured scheduled tasks on AWS EC2 and Linux servers using Laravel's Schedule class, **cutting manual intervention by 80%**.
- Set up supervisors on Linux servers to monitor task execution, verifying a **100%** task completion rate and preventing failures.
- Automated customer newsletter delivery, queues, and payment data downloads, saving businesses **10+ hours weekly**.

➤ OTHER PROJECTS:

- Assembled a fitness platform in Angular and Laravel, integrating REST APIs for real-time data handling. Used Voyager for dashboard creation, cutting development time by **25%**.
- Connected with **MindBody** and other **APIs** to fetch and manage critical data, including customer events and gift cards. This integration enhanced data accuracy and decreased manual input by **35%**.
- Evolved unit tests by mocking data for services like **Stripe**, **MindBody**, and **other APIs**, assuring 95% test coverage.
- Produced an admin interface to manage bowling centre data, linked with real-time events using **WebSockets**. This ensured a **99% reduction** in data synchronization delays and provided instant updates on client reservations and player actions.
- Crafted the system to process game events and client interactions in real-time, refining the customer experience and operational accuracy by **30%**.
- Engineered and performed a migration module to process and import Excel data for retail businesses, shrinking manual data entry efforts by 70%.
- AWS Lambda functions to handle job processing and reporting, increasing task efficiency by **50%**.
- Python scripts for data migrations and updates, maintaining smooth data transitions and minimizing downtime by **20%**.

AQUEDUCT INFRASTRUCTURE

Senior Software Engineer

Havana, Cuba

September 2015–August 2019

> Development of Aqueduct Systems with Django 1.8+

- Planned and enforced robust aqueduct management systems using Django 1.8+, sustaining modularity and scalability for managing extensive water networks. This improved system performance, curtailing response times for **large datasets by 40%**.
- Established REST APIs to handle real-time aqueduct data, enabling efficient communication between system components and external platforms. This minimized data processing latency by **30%**, providing instant updates on water flow and pipe statuses.
- Established mechanized tools to schedule maintenance activities, alleviating manual scheduling efforts by **50%** and minimizing downtime in water distribution networks.

> Applications for the Management of Water Pipes

- Advanced applications to monitor and manage water pipelines, leveraging real-time data analysis to detect anomalies such as leaks or blockages. This efficient approach lowered pipeline **downtime by 25%** and operational **costs by 15%**.
- Conceived dashboards for stakeholders to visualize key metrics, such as water flow rates and pressure levels, leading to a **20%** improvement in decision-making speed.
- Tools to analyse historical data, predicting potential issues in the water system and enabling pre-emptive maintenance, decreasing incident rates by **30%**.

> Development of Tools for the ArcGIS Map Platform

- Elaborated specialized tools for ArcGIS to map and analyse aqueduct networks, allowing engineers to visualize pipe layouts and water distribution routes with precision. **This diminished manual mapping errors by 50%**.
- Integrated geospatial data with aqueduct management applications, upholding seamless updates and synchronization between systems. This enhanced the accuracy of GIS data, upgrading operational planning by **25%**.
- Applied advanced visualization capabilities such as heatmaps and real-time overlays, helping stakeholders identify critical areas for maintenance and optimization. This increased system usability and reduced time spent **analysing data by 40%**.

INFRASTRUCTURE DEFENSE

Senior Software Engineer

Havana, Cuba

September 2009–August 2015

> Advanced Web Programming Techniques (Zend Framework – Doctrine ORM)

- Utilized advanced PHP techniques to develop high-performance web applications. Maximized database queries and deployed caching mechanisms, lessening page load times by 40% and increasing user **retention rates by 25%**.
- Followed PHP best practices to maintain clean, modular, and reusable code. This resulted in a **30% reduction** in debugging time and improved team productivity.
- Systematized repetitive tasks using **Zend Framework** commands, saving **20 hours per month in development time**.

> Basic Data Mining Course with PostgreSQL

- Gained proficiency in extracting meaningful patterns from large datasets using **PostgreSQL**, perfecting data analysis **efficiency by 35% in projects**.
- Absorbed advanced SQL query techniques to handle complex joins and data aggregations, achieving a **25% improvement** in query execution times.
- Simplified the application deployment process, cutting deployment time by **30%** and guaranteeing timely product releases

> Advanced Python Course on Analysis and Optimization of Algorithms

- Advanced Python techniques to optimize algorithms, compressing processing execution intervals for large-scale data by **35%**.
- Algorithmic optimization to improve application performance, leading to a **20% reduction** in system resource usage.

CERTIFICATES

> LARAVEL DEVELOPER CERTIFICATION (SENIOR LARAVEL DEVELOPER) | [CERTIFICATE](#)

- Online test endorsed by the Laravel Community where the developer's skills are certified at different levels.

> DATA SCIENCE: NATURAL LANGUAGE PROCESSING (NLP) IN PYTHON | [CERTIFICATE](#)

- Course at Udemy about decrypting ciphers, spam detection, sentiment analysis, article spinners, and latent semantic analysis.

> LARAVEL FULLSTACK DEVELOPER CERTIFICATE (ADVANCED) | [CERTIFICATE](#)

- Advanced online test on the principles of Laravel as a Full Stack Developer.

LANGUAGES

- Spanish (Native)
- English (B1 – Profile Conversation)