

**Rita Lopez Diaz**

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**SENIOR SOFTWARE ENGINEER**  
**Technical Lead**

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### Professional Profile:

Programmer analyst and full-stack developer with 10 years of experience. Solutions-oriented and analytical. Adept at application development, testing and optimization. Excels at different languages' application development like PHP, Go, Python, including coordinating ground-up planning, programming and implementation for core modules. Excel at collaborating with staff and managers to complete projects. Capable to learn new technologies quickly. Passionate about cool algorithms, slick code, and new ideas. Strength includes:

OOP	Requirements analysis and design phases
Database Development / Administration	Full lifecycle of software development
Multithreading Programing	Continuous Integration
Platform	Observability

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### Technical Skills

Languages:	PHP, Go, Python, Javascript, Html5, CSS3, C++
Frameworks:	SymfonyPHP, Backbone.js, jQuery, Underscore,Handlebars
Databases:	MySQL, Postgres, SQLServer, MongoDB, Redis
Concepts:	OOP, NoSQL, SOA, REST, TDD, CI/CD, Observability, Scrum
DevOps	AWS, Saltstack, Kubernetes, Terraform, Docker

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### Education

- BS in Computer Science, University of Informatics Science, Cuba. (2003 - 2008)
- Certified ScrumMaster, Scrum Alliance, NYC (2019)
- Social Networks and Communities Creation: Telematic Course, Organization ESPIRAL Catalunya.

## Careers Development

Senior Software Engineer, Platform Engineer, Technical Lead at **Splash** NY, Jan 2016 (Current)

Work across many teams in the organization.

- Works across different areas of the Product that includes frontend, backend, platform, and infrastructure.
- Focus performance and quality of the main core Splash API product
- Lead discussion around larger initiatives outside of feature work, product and design
- Worked in the microservices' architecture implementation as a Platform team member
  - Defined strategies for implementation and best practices
  - Defined the blueprint that helps guide the team to move forward to microservices
  - Researched and defined the architecture of microservices
- Lead/Work in the Authorization service
  - Implemented Open Policy Agent (OPA) strategy
  - Implemented an RBAC API service
- Standardized the Splash API public documentation (OAS3)
- Implemented GDPR approach for the organization
- Work and use different technologies that include: PHP, Go, Python, Kubernetes, Docker, Prometheus, Grafana, AWS, Postman, Git, OPA, MySQL, Postgres, Graylog, RabbitMQ, Memcached, JWT etc

Software Engineer at **Kaplan Inc** FL, Mar 2015 (Current)

Define and create new strategies for the Continuous Integration process, using Saltstack, AWS Services, Vagrant, Packer. Set up server environments for development, QA and Production. Daily task includes:

- Server configuration management and System orchestration via Packer and Saltstack (AWS and Vagrant)
- Monitoring and configuration RDS, Redis and Dynamo on AWS
- Focused on automation and integration
- Wrote code and designed continual updates
- Completed load balancing of servers

Web Developer at **Kreate Technology / One Kreate**. FL, Jun 2013- Mar 2015

The innovative developer behind the proprietary software known as RealTIME. RealTIME is a developing enterprise workflow web application. (<http://www.realtimeprocess.net>)

- Collaborated with developer team members to define and create new strategies.
- Created a plugin using Backbone and Restful API to perform queries that helps to users make his own custom dashboard. Developed new features, fixing bugs and performance across the platform.
- Member of the panel group to review JavaScript code and decide what technologies use according to the front-end development.

Software Engineer/**Freelancer**. 2013 – 2012

- Development of web solutions, database design, and UX working along with other team members. Drafted technical documents.

- Developed websites using CMS (Drupal, MODx, Joomla), MySQL and PHP language. Worked extensively in database systems, for performance and data solutions. Gave Support and Maintenance to existing software programs.
- Worked with mailing and alerts systems. Social Media integration. Facebook's apps, single sign-on, OAuth. Understanding of SEO strategies.

**Software Engineer/ Professor at the *University of Informatics Science* (UCI). Cuba. 2011 – 2008**

- University Management System: ERP System to control the university process, considering used for study methods, syllabus, analytic contents or transcript, evaluation registers, courses, tests. Developed the university identification system to control all students and staff information. Worked with difficult business processes and large data. Designed and developed business software for data analysis.
  - UCI Institutional Website: Web Portal of the University of informatics Science (<http://www.uci.cu>) Developed CMS modules in Drupal. Developed heavy PHP code and architecture designs. Developed mitigation strategies. Worked with design objectives and user interface. Used information architecture that helps the usability of applications.
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