



Personal Information

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Github: <https://github.com/dlobregon>
Location: Mixco, Department of Guatemala, Guatemala.
Languages: Spanish / English
LinkedIn profile: <https://bit.ly/3XMw6jB>

Relevant skills:

React, NodeJS, TypeScript, GraphQL, MariaDB/MySQL, and MongoDB

Diego López

Software Engineer
with security and
analytical skills.

Education

Sciences & Systems Engineer
(Computer Science B.S.)
Universidad de San Carlos de Guatemala

Certifications

Unlocking Information Security - Professional Certificate
Tel-Aviv University – EDX
<https://bit.ly/3Z6BGyA>

Other Knowledge

Google Cloud Computing Badges
Cloud Skills boost – Google
<https://bit.ly/3xCSSjq>

Work Experience

Fullstack JS Engineer - Freelancer

Ravida S.A.
May 2022 – November 2023.

Working in updating and adding features, also, patching the PEMS platform and other related projects - <https://pems.io>

- PEMS is a platform designed to manage large construction projects following the PMI guidelines.
- Tech stack: React/NodeJS/MariaDB/GraphQL/TypeScript

Fullstack JS Engineer - FTE

PayPal Inc. (Checkout division)
January 2022 – March 2023.

As a member of the Checkout Partner Integrations team, I have been working in the following initiatives:

- Responsible for maintenance of the FX (foreign exchange) experience within PayPal Checkout, encompassing the development of both logic and content to meet Partner and regulatory stipulations.
- Oversaw the integration of Checkout with a novel 3DS service, entailing design implementation, necessary modifications for the successful rollout of the new service, and assistance for end-to-end testing.
- Engaged in diverse tasks such as facilitating the global expansion of Card brands and conducting A/B tests aimed at optimizing the checkout experience.
- Tech stack: React, Angular, NodeJS, Apollo GraphQL, Express, TypeScript.

API Engineer - FTE

PayPal Inc. (Xoom division)
November 2020 – January 2022

- As a contributor to the Orchestration Layers team, I was actively involved in the maintenance and enhancement of mid-tier applications (proxy APIs) built using NodeJS. These applications play a pivotal role in

orchestrating the intricate processes associated with remittance transmission, mobile phone top-ups, and file uploads.

- Tech stack: NodeJS with Express/HapiJS, alongside technologies like Redis, BullMQ, and GraphQL.

Software Engineer - Consultant

Ravida S.A. (Guatemala) – Inexertus (Canada)

May 2019 – November 2020

- Developed a Project Management system specifically designed to address the demands of large-scale construction projects. The system was developed entirely from the ground up and seamlessly deployed on AWS, utilizing RDS and EC2 instances. The system enforces strict adherence to PMI guidelines, ensuring effective project management. <https://pems.io>
- Tech stack: React/NodeJS/Redux/MariaDB/MongoDB

Full Stack Developer - Consultant

Ravida S.A. – World Vision International Guatemala - USAID

April 2018 – February 2020

- Designed and developed a Project Management Platform with a specific focus on overseeing the implementation of expansive Charity and People Development initiatives spanning multiple NGOs. This platform offers an array of functionalities including a Gantt Diagram for visual project scheduling, robust task management capabilities, detailed reporting features, and an informative metrics dashboard. Additionally, I crafted a companion Mobile App tailored for Field Agents, enabling efficient reporting of tasks directly from the field. I developed a mobile application to track task achievement.
- Tech Stack: React/NodeJS/Redux/MariaDB/MongoDB. For mobile app: React Native and Expo.

Data Analytics Lecturer

Universidad Francisco Marroquin – multiple courses

July 2017 – May 2020

- Teaching analytics concepts using Excel and R.

Data Analytics Consultant

Ministerio de Educación Guatemala – CARE Guatemala

May 2019 – July 2019

- Responsible for capturing data, data wrangling, and interpreting the survey related to the National School Feed Program in Guatemala.
- Tech stack: R.

Software Developer Consultant

Inter-American Development Bank

November 2016 – November 2017

- I was part of the team that created a platform tailored to efficiently manage substantial government projects involving lending funds. This project encompasses an array of essential features that empower government agencies to report their execution progress accurately and monitor the allocation of funds. Additionally, the platform includes a tool dedicated to furnishing detailed expenditure information to the lending agencies involved.
- Tech stack: Java, AngularJS, NodeJS

Web Developer

Alvore S.A.

November 2015 – November 2016

- Developed web applications for various commercial and marketing campaigns.
- Tech stack: PHP, Angular

Skills

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| Programming Languages | |
| <ul style="list-style-type: none">JavaScript (NodeJS, ReactJS, React Native), TypeScript, Python, R, Java (Hibernate), Bash shell, SQL. | |
| NodeJS Environment | |
| <ul style="list-style-type: none">ExpressJS, JWT, BcryptJS, HapiJS, BullMQ, Apollo GraphQL. | |
| Control Version | |
| <ul style="list-style-type: none">GIT | |
| Command line tools | |
| <ul style="list-style-type: none">NMAP, Tmux, ssh, curl | |
| DevOps Pipeline tools | |
| <ul style="list-style-type: none">Docker | |
| Databases | |
| <ul style="list-style-type: none">Mysql/MariaDB – MongoDB | |
| Security Knowledge and Implementation: | |
| <ul style="list-style-type: none">Basic/Advanced Cryptographic primitives, Network Vulnerabilities and defenses, Web Vulnerabilities and defenses, SQL injections. | |

Citizen cybersecurity encourage activities

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| CryptoParty Organizer | |
| 2015 – 2018. | |
| <ul style="list-style-type: none">CryptoParty is a global movement that promotes the use of practical cryptography to the public.CryptoParty GT Facebook page: https://www.facebook.com/CryptoPartyGt/ | |

References

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| Jacob Noj – PayPal inc. | |
| <ul style="list-style-type: none">Position: MTS 1Email: jnoj@paypal.com | |
| Swati Sha – PayPal inc. | |
| <ul style="list-style-type: none">Position: Lead Tech Product Manager.LinkedIn profile: linkedin.com/in/swati-singh-shah-51766618Email: swati.dec@gmail.com | |
| Joseph Cole– UFM | |
| <ul style="list-style-type: none">Position: Economics ProfessorEmail: jcolev@ufm.edu | |
| Eneas Flores – Ravida S.A. | |
| <ul style="list-style-type: none">Position: General ManagerEmail: eflores@rvd.com.gt | |