



Joel Ernesto López Verdugo

Web Developer

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S O C I A L

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P R O F I L E

With a solid background in Computer Engineering from the Universidad Autónoma de Baja California, I am characterized by my insatiable curiosity and passion for technology. I enjoy exploring new advancements and trends in the technological field, always staying up to date with the latest innovations. My love for learning drives me to engage in constant research and experimentation, seeking to deeply understand the challenges and opportunities that this ever-evolving field presents. I am committed to personal and professional development, always striving to find new ways to enhance and grow in my career.

E D U C A T I O N

- Universidad Autónoma de Baja California
Computer Engineering
2018 – 2022

S K I L L S

- HTML and CSS
- JavaScript
- PHP
- Java
- Laravel
- React and React Native
- Node.js

E X P E R I E N C E

● Web Developer (Internship)

March 2022 – July 2022 | Autonomous University of Baja California – Sauzal Campus

- In this role, I led the development of an innovative ordering system for the cafeteria at the Sauzal Campus of the Autonomous University of Baja California.
- I utilized a set of technologies such as PHP, HTML, CSS, JavaScript, jQuery, and Ajax to build a highly functional and dynamic system.
- I designed and developed an interactive online menu that allowed users, including students, teachers, and employees, to place orders from any internet-connected device.
- I implemented a robust authentication system that differentiated between different types of users, granting specific privileges based on the user's role. Students and teachers could browse the menu and place orders, while employees had additional access to manage inventory, modify prices, and view orders in real-time.
- I integrated PayPal as a secure payment method, enabling users to make online transactions quickly and conveniently.

● Web Developer (Internship)

May 2022 – June 2022 | Autonomous University of Baja California

- In this role, I led the development of the backend for an innovative diploma creation system at the Autonomous University of Baja California.
- I used Spring Boot to build a robust and efficient backend that managed data models, databases, and necessary queries for the system's operation.
- I was responsible for designing the database architecture in MySQL, ensuring an optimal structure for storing diploma information and related data.
- I implemented a RESTful API that allowed users to complete a form on the frontend and then automatically generated a diploma or certificate, ready to be downloaded or printed in PDF format.
- For PDF document generation, I integrated JasperReports, which allowed for writing custom templates and exporting diplomas efficiently and professionally.

● Freelance Web Developer

August 2022 – October 2022 | Bocana Adventure

- In this project, I assumed a comprehensive role as a web developer, where I had the responsibility of making key technological decisions and leading the development of a complete system for "Las Cabañas" at Bocana Adventure.
- I took the initiative to select the most suitable technologies for the project, including HTML, CSS, JavaScript, PHP, jQuery, Ajax, and MySQL, aiming to ensure optimal performance and an exceptional user experience.
- I developed an engaging landing page that highlighted the unique features of "Las Cabañas" and allowed customers to make reservations easily and securely.

- C#
- Python
- MySQL and PostgreSQL
- Mac, Linux, and Windows
- jQuery
- Spring Boot
- .NET
- MongoDB
- AWS, Heroku, Hostinger, and Docker

- I implemented additional functionalities, such as displaying relevant news about the cabins, the ability to leave reviews and comments, and integrating a payment system using Stripe to process transactions securely.
- For the administrative part of the site, I designed and developed a complete dashboard accessible via `admin`, where employees and administrators could manage users, handle inventory, control reservations, update information about the cabins (including photos, names, and availability), and generate detailed reports in case of incidents or technical issues.
- Additionally, I took responsibility for the ongoing maintenance of the site, ensuring its optimal operation and performing updates as necessary to meet the changing needs of the business.

Web Developer

December 2022 - Present | Cooperativa Progreso

- In my role as a web developer at Cooperativa Progreso, I have been responsible for the design, development, and maintenance of key systems for efficient management of the company.
- I have led fundamental projects, including the development of comprehensive web systems to manage sales, dispatches, inventory, payroll calculation, generation of packing lists, and employee and user administration.
- Additionally, I developed a suite of mobile applications using React Native, designed to enhance the company's internal processes. This included a PWA application for employee tablets, allowing inventory management, monitoring fuel usage by fishermen, managing product delivery such as lobster to associated companies, among other critical functionalities.
- I actively participated in strategic decision-making for projects aimed at improving the productivity and efficiency of the company, leveraging my technical expertise and knowledge in developing innovative technological solutions.
- Furthermore, I implemented a cloud storage platform to facilitate access and management of photos, documents, and other work-related files, enabling employees to access them from anywhere and at any time.

Freelance Web Developer

February 2023 - May 2023 | Cooperativa Emancipación

- During my collaboration as a freelancer with Cooperativa Emancipación, I led the development of a comprehensive platform for online sale of fishery products, aimed at improving the accessibility and efficiency in the company's sales process.
- I designed and developed an attractive and functional landing page, which served as an online point of sale, allowing customers to make purchases securely and conveniently from any internet-connected device.
- I implemented a content management system that allowed the company to dynamically manage the page content, as well as manage the products available for sale. This included the ability to change prices, images, descriptions, and other product features easily and quickly.
- I developed an order management system that allowed the company to efficiently manage the status of customer orders.

company to efficiently manage the status of customer orders. Additionally, I implemented a notification system via text message and email, through which customers received alerts about the status of their orders, providing a transparent and satisfactory shopping experience.

- To facilitate online payments, I integrated the Stripe payment gateway, ensuring secure and reliable transactions for customers.

● **Web Developer**

November 2023 - Present | Cooperativa Leyes de Reforma

- Since joining in November 2023, I have been responsible for the development and maintenance of a wide range of web and mobile systems and applications for Cooperativa Leyes de Reforma, using cutting-edge technologies such as Laravel, MySQL, and React Native.
- I designed and developed an attractive and functional landing page to promote the company on the internet, highlighting its services and values to potential clients and the community at large.
- I developed a custom user control system for the company's website, allowing efficient management of employee access and permissions.
- I implemented an internal ticketing system for employees to report issues in existing programs, request changes, or propose new developments, thus streamlining the process of issue resolution.
- I developed a comprehensive system for controlling fishermen and equipment, including tracking of product input by employees, fuel consumption, bait, and other resources, as well as comprehensive inventory control.
- Additionally, I designed and developed native applications for company tablets using React Native, allowing employees to manage all these systems from their devices efficiently and without compatibility issues.
- I handled all stages of development, from requirements gathering to testing and deployment of systems, ensuring their functionality, stability, and security.

● **PHP Developer**

November 2023 - Present | AforeCoppel

- Since joining in November 2023, I have played a key role as a PHP developer at AforeCoppel, contributing to the development and maintenance of critical systems using the latest technologies and development methodologies.
- In my role, I have been responsible for designing, developing, and maintaining APIs and microservices, using tools like Docker and Python to ensure a modern and scalable architecture.
- I led the update of microservices and components developed in PHP and Node.js to newer versions, ensuring that functions are not deprecated and maintaining compatibility with current industry standards.
- I have been responsible for resolving issues identified by security tools like Checkmarx, ensuring the integrity and security of the developed systems.
- I actively participated in daily meetings (Dailys) and team meetings to stay informed about the status of development and

coordinate with coworkers and architects to keep systems and microservices updated and develop new solutions for the company.

- My commitment to excellence in software development and my ability to work in a team have been crucial to the success of the projects I have been involved in at AforeCoppel.

HIGHLIGHTED PROJECTS

Green Light Red Light

A video game inspired by the "Squid Game" series, developed in Unity.

Yusuke Nakamura Fanpage

A fanpage dedicated to the art of Yusuke Nakamura, developed in HTML, CSS, and JS, with Spotify content integration.

System Administration for EL MANOLO Mechanical Workshop

Development of a PHP system for managing clients, vehicles, and generating payment receipts at a mechanical workshop.

JoleDev DotFiles

Custom configurations for NeoVim, terminal, and keybindings for Windows 10 and ArchCraft.

JoleDev CV

My interactive CV developed in HTML, CSS, and JS, based on responsive-resume-cv-smith by bedimcode.

JoleDev Leetcode

Collection of LeetCode problems solved in C, Python, PHP, and JavaScript as part of my development as a programmer.

CERTIFICATES

Google IT Support

Certificate obtained upon successful completion of the 5 Google IT Support courses on the Coursera platform.

LANGUAGES

- Spanish
- English

INTERESTS



Music



Reading



Coffee