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Curriculum vitae

Summary: I am a Senior Full-stack Developer with more than 20 years of experience developing web and desktop applications. My experience lies in the use of programming languages, frameworks and databases, such as Python, Django, Node.js, React, Angular, JavaScript, Java, php, MySQL, SQLite, PostgreSQL, SQL Server, MongoDB, as well as the Management of tools for deploying and cloud services AWS, Azure and GCP. Throughout my career, I have worked on projects ranging from small inventory management applications to large data analysis systems, always making use of agile methodologies and good practices. My passion for software development has led me to continually improve my skills and stay up to date with the latest trends and technologies.

Work Experience:

Fullstack Developer - Freelance - Apr 2023 - Present

Application Type: Human Resources (HR) System

Languages and technologies: - Frontend: Angular, TypeScript, HTML, CSS. - Backend: PHP (Laravel). - Database: MySQL

Description: I participated in the development of a human resources system for a multinational company. I used Angular and TypeScript on the frontend to create a dashboard that would allow employees to manage their personal information and time off requests. On the backend, I worked with PHP and the Laravel framework to manage HR operations, such as employee management, payroll generation, and HR planning. The MySQL database was used to store the personnel information and attendance records.

🏆 Achievements:

- 40% reduction in the time spent managing payroll and benefits by automating administrative processes.
- 20% increase in employee satisfaction by implementing a self-service portal for vacation and benefits requests.
- 30% improvement in the accuracy of HR data reporting and analysis, enabling more informed and strategic decision-making.

Fullstack Developer - Seguros Galicia, Buenos Aires, Argentina - Aug 2022 - Apr 2023

Application type: Content Management Platform

Languages and technologies: - Frontend: React.js, JavaScript, HTML, CSS. - Backend/API: Node.js (with Express.js). - Database: MongoDB

AWS services used:

- Amazon S3: Storage and management of multimedia files and static content.

- Amazon EC2: Implementation and administration of server instances for the web application.
- Amazon RDS: Hosting and administration of the MongoDB database in the cloud.
- AWS Lambda: Deployment of serverless functions to perform specific tasks, such as image processing and email notifications.
- Amazon SES: Email service for sending notifications and emails to users.
- Amazon CloudFront: Content distribution to improve the speed of delivery of static resources to end users.

Description: I developed a content management platform that allowed users to create, edit and publish multimedia content in the form of articles, images and videos. The frontend was built using React.js to provide a responsive and interactive user experience. On the backend, RESTful APIs with Node.js and Express.js have been implemented to allow users to interact with the content and perform management operations. The MongoDB database was used to store the data related to content and users.

In addition to the application deployment, I used various AWS services to improve the performance, scalability, and availability of the platform. Amazon S3 was used to store and manage media files, such as images and videos, while Amazon EC2 hosted the server instances for the application backend. The MongoDB database was managed on Amazon RDS to ensure high availability and scalability.

I have also implemented serverless functions using AWS Lambda for specific tasks, such as processing images to optimize image loading and sending email notifications to users. To improve the speed of delivering static resources to end users, I used Amazon CloudFront as a content delivery network.

Achievements:

- Reduced platform load time by 30% by using Amazon CloudFront for static resource delivery.
- Improved image loading performance by 40% thanks to optimized image processing performed by AWS Lambda functions.
- Successful scaling of the platform to handle a 100% increase in traffic by automatically provisioning EC2 instances.
- MongoDB database high availability guarantee with 99.99% uptime using Amazon RDS.

Software Architect – G&L Group - Buenos Aires, Argentina – Aug 2020 - Aug 2022 ·

Application type: E-commerce

Languages and technologies: - Frontend: React.js, HTML, CSS, JavaScript. - Backend: Node.js, Express.js. - Database: MongoDB

Description: Developed an eCommerce system from scratch, including creating the user interface using React.js to provide a smooth and enjoyable shopping experience. On the backend, I used Node.js and Express.js to handle client requests and database operations with MongoDB. Implemented features like shopping cart, payment gateway integration, order management, and shipment tracking.

🏆 Achievements: - 20% increase in the conversion rate of visitors to customers thanks to a more intuitive user interface and simplified navigation. - 15% reduction in page load time by optimizing images and implementing caching techniques. - 25% increase in monthly sales by integrating with popular payment services and adopting effective marketing strategies.

Software Engineer - Tres components S.R.L. - Buenos Aires, Argentina - Jul 2018 - Aug 2020

Application type: CRM (Customer Relationship Management)

Languages and technologies: - Frontend: Angular, TypeScript, HTML, CSS. - Backend: Java (Spring Framework). - Database: MySQL

Description: I participated in the complete development of a CRM system for a service company. On the frontend, I used Angular and TypeScript to create an intuitive interface for customer management, leads, and interaction tracking. On the backend, I worked with Java and the Spring Framework to implement business functions, including user management, reporting, and automation of repetitive tasks. The MySQL database was used to store customer information and sales activities.

🏆 Achievements:

- 30% improvement in sales team productivity by providing a centralized system to manage and track leads and sales activities.
- 40% increase in customer retention thanks to the implementation of a more effective customer service and follow-up strategy.
- 25% reduction in time spent on administrative tasks by automating processes in the CRM system.

Backend Developer - Tabin, C.A. -- Caracas, Venezuela - Jan 2008 - Jun 2018 ·

Application type: POS (Point of Sale)

Languages and technologies: - Frontend: Vue.js, JavaScript, HTML, CSS. - Backend: Python (Django). - Database: PostgreSQL

Description: I led the development of a point of sale (POS) system for a retail chain. I used Vue.js to build a fast and responsive user interface that would allow tellers to process transactions efficiently. On the backend, I worked with Python and Django to manage inventory, pricing, promotions, and transactions. The PostgreSQL database was used to store the sales records and product inventory.

🏆 Achievements:

- 20% increase in the efficiency of POS operations by implementing a faster and easier to use user interface.
- 30% reduction in inventory errors thanks to integration with barcode readers and a real-time inventory management system.
- 15% increase in sales through promotions and personalized discounts for customers.

Data Analyst - Netuno Int'l - Weston, Florida, United States - Jan 2000 - Dec 2007

Application Type: Administration System

Languages and technologies: - Frontend: HTML, CSS, JavaScript (with jQuery). -Backend: PHP. - Database: MySQL

Description: I was responsible for the development of a web application based administration system using PHP to allow managers and supervisors to access data and perform management tasks efficiently from any browser. On the frontend, I used HTML, CSS, and JavaScript with the jQuery library to provide a responsive and interactive user experience. The backend developed in PHP handled business logic such as project tracking, task assignment, and report generation. A MySQL relational database was used to store the system data.

🏆 Achievements: - 40% reduction in the time spent generating reports by optimizing SQL queries and implementing advanced filters in the web application. - 20% improvement in collaboration between project teams thanks to real-time task tracking and assignment functionalities. - 15% increase in the efficiency of strategic decision making through data analysis provided by synchronization with MySQL relational database. - Improved performance and system loading speed by 30% by optimizing the JavaScript and CSS code using the jQuery library.

Education: Bachelor of Systems Engineering, Universidad Bicentenario de Aragua, Turmero, Venezuela.

Languages: Native Spanish. - Advanced English

Publications books: - Node Js from scratch. Book | shorturl.at/dKXY8 Author, August 2022 - Curiosities and other herbs. Book | goo.gl/4dxFSq Author, September 2017 - Technology and other herbs. Book | goo.gl/av16tm Author, August 2017 - Fail to succeed. Book | goo.gl/4bxX5Q Author, October 2014 Film Director - The complete guide to google much more than just search. Book | goo.gl/5nY4Aj Author, March 2012.

Teaching experience: - Udemy, www.udemy.com Associate Professor, Department - Node.js creates a fullstack system from scratch to deploy, 6.5 shorturl.at/hRVY5 - Create GDPR message, cookie policy with javascript and php, 38 min shorturl.at/prxzU - Shopping cart in Javascript and php from HTML template, 9:32 shorturl.at/npYHL - Implement Adminlte3 in React js, 38 min shorturl.at/dlsGX - Shopping cart step by step from scratch, 22:16 shorturl.at/qrvU3 - Create web pages from scratch, 13:19 shorturl.at/gpF28

Startup – Ecommerce -Sitebuilder - Realestate: - Developer of www.gustabin.com (website). - App [gustabin](https://www.gustabin.com) (play store). - www.gustabin.com/realestate (website) - www.stackodelab.com (education academy)

Hobbie (Filmmaker): - Expensive Gratuity, Writer, director and producer. film | youtu.be/CZbtvR-dGW0