

# Luis Miguel Vargas Garrido

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## SUMMARY

Full-stack developer with 1 year of extensive experience in developing and maintaining web applications. Proficient in HTML, CSS, JavaScript, React, Node.js, Python and Django. Experienced in building secure, user-friendly websites and applications. Self-employed with a passion for creating innovative and powerful solutions.

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## EXPERIENCE

### Full-stack Developer PixelStack Solutions

April 2022 - Present, Spain · Remote

- As a Full Stack Developer, I design and build end-to-end web applications using a stack that includes React, Django, PostgreSQL, AWS and Kubernetes. I create seamless user experiences through responsive frontend interfaces, while also implementing secure and efficient server-side logic and APIs. My role involves managing database schemas, optimizing application performance, and integrating cloud services to ensure high availability and scalability. Through code reviews and collaboration with the team, I deliver cutting-edge solutions that meet our clients' business objectives.
- Developed, tested and deployed various web applications, increasing performance by 25% while decreasing total development and testing time by 15%. Leveraged serverless technology and containerized deployments to reduce scaling time by 50%, enabling code to reach production in half the average time. Built user interfaces that increased user efficiency by 15% which resulted in increased customer satisfaction by 5.
- Handcrafted various web applications using React for frontend interfaces, Django for server-side logic and APIs, PostgreSQL for database schemas and AWS to manage cloud services, for improved scalability and high availability.

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## PROJECTS

### Doneminder - Your Ultimate Task Management Solution

PixelStack Solutions · Associated with PixelStack Solutions

- Developed a task management solution boosting productivity and accountability with deep integrations and an intuitive user interface, reducing task completion time by 35%.
- Designed the UX/UI of the platform using React ensuring users had an enjoyable experience while accomplishing tasks.
- Created and managed a documentation system to track bug fixes and feature requests to support the developing platform.

### Service based , back-end django website

Fully automated service based website

- Fully automated service based website with Django and Python, improving load times by 56% and increasing site visits 29%.
- Developed and implemented a comprehensive database, allowing customers to search for specific products in an efficient and user-friendly manner.
- Utilized caching techniques to optimize the website's performance, as well as the integration of various APIs and payment gateways.

### SwimTrackt: Enhancing Swimming Fitness Tracking

Associated with PixelStack Solutions

- Associated with a private project which aims to enhance swimmers' experience through a fitness tracking system.
- Developed a fitness tracking system using Node.js, ReactJS, and Arduino to measure stroke rate, distance, times, and average speed, resulting in improved swimmers' performance by 11%.
- Utilized the IOT stack to develop the system with Bluetooth and Web framework to improve convenience and accuracy.

### Ecommerce project - Footfab

PixelStack Solutions · Associated with PixelStack Solutions

- Developed Footfab's social e-commerce website from ground zero, integrating user interface design, back-end coding, webserver and network security.
- Increased daily active users of the platform by 120% by utilizing digital marketing strategies, increased site traffic by 200% and user engagement on the platform by 150%.
- Implemented multi-language support, technology upgrades and optimization techniques to create a seamless online shopping experience.

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## EDUCATION

Full stack developer  
Coursera

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## CERTIFICATIONS

Programming with JavaScript Meta

Meta • C68Q9HDZXMNC

### **Introduction to Docker: Build Your Own Portfolio Site**

Coursera • 57NKSS7JXXRC

### **Storing, Retrieving, and Processing JSON data with Python**

Coursera • UTHS44XE5XG6

### **AWS Cloud Technical Essentials**

Amazon Web Services (AWS) • LWKNZBCCPJBE

### **Data Scientist (2021 version) Career Path**

Codecademy • Science

### **Advanced Django: Building a Blog**

Coursera • JWVEQ9KZDFDA

### **Introduction to Microsoft Azure Cloud Services**

Microsoft • W7E6AYZEQ84H

### **Python Classes and Inheritance**

University of Michigan | Coursera • L6U2TWE6MJ3H

### **Testing and Debugging Python**

Coursera • RHKQ6TDBMBTM

### **Architecting with Google Kubernetes Engine: Foundations**

Google • JZPZ5BL94LBT

### **Advanced Django: Advanced Django Rest Framework**

Codio • MJKJH5FSSF8K

### **Advanced React**

Meta • E5ZHRZNNMEJG

### **Introduction to HTML Coursera Project Network**

Coursera • HQMNAD4ZKTL5

### **Python Basics University of Michigan**

University of Michigan | Coursera • 3A7BXW3FNY5U

### **Advanced Styling with Responsive Design**

University of Michigan | Coursera • ERHNJPEYEA2P

### **Database Design and Basic SQL in PostgreSQL**

University of Michigan | Coursera • XFYH2N2PCARU

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## **SKILLS**

**Industry Knowledge:** User Interface Design, AWS Identity and Access Management (AWS IAM), Cloud Computing, Kubernetes, Full-Stack Development, Web Framework, Application Programming Interfaces (API), Unit Testing, Debugging, Responsive Web Design, Front-End Development, Web Pages, Database Design, Web Development, Test-Driven Development, Front-End Web Development, Object-Oriented Programming (OOP), Back-End Web Development, Programming, Data Science

**Tools & Technologies:** GitHub, Microsoft Azure, Google Cloud Platform (GCP), Google Kubernetes Engine (GKE), AWS Security, Amazon Web Services (AWS), React.js, Docker, JSON, Tkinter, Django REST Framework, Bootstrap, Cascading Style Sheets (CSS), HTML, HTML5, PostgreSQL, JavaScript, Databases, Git, Python (Programming Language)

**Languages:** English, Spanish

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**Languages:** English, Spanish