



MIGUEL
VARGAS

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SKILLS

- | | | |
|-------------------------|-------------------|--------------------------|
| • SQL | • Java | • PostgreSQL |
| • Unity | • JQuery | • C++ |
| • PHP | • Python | • IntelliJ IDEA |
| • Able to learn | • Communication | • Autodidact |
| • REST APIs Development | • Web development | • Continuous integration |
| • Scrum | • Game design | • Asana |
| • Zoho CRM | • 3DMax | • Adobe Suit |
| • Microsoft Suit | • Networking | |

PROFESSIONAL SUMMARY

Computer Engineer with 5+ years of experience specializing in DevOps, web, VR, and backend development. Proven expertise in leading innovative projects, including a VR-based earthquake simulator, combining a passion for Virtual Reality and game development. Skilled in REST APIs, continuous integration, and web development, delivering efficient and impactful solutions. Eligible for a TN visa under the USMCA agreement, requiring only an offer letter with a straightforward and cost-effective process for the employer.

EXPERIENCE

MetaPlay StudiosNovember 2023 - Current

CEO - Startup | Mexico City, Mexico

Project 1: VR Earthquake Simulator

- Developed and launched a VR-based seismic simulator, available for Android and iOS, promoting disaster preparedness through immersive technology.
- Conducted real-world testing with high school students in a classroom setting in Mexico, yielding satisfactory results and valuable user insights.
- Developed an immersive VR-based earthquake simulator using Unity and C++, integrated with ironSource to generate revenue through advertisements.

Project 2: CheveReview Platform (UK Chevening Scholarship)

- Designed and implemented a platform connecting Chevening Alumni with scholarship applicants to refine application essays and foster mentorship.
- Promoted collaboration and knowledge-sharing within the Chevening community through innovative web-based solutions.
- Coordinated a team of four essay reviewers, supporting 28 applicants from 12 countries.

Key Achievements as CEO

- Gained experience in leading small teams and managing cross-functional collaboration, including developers, designers, and communicators.
- Cultivated a leadership style focused on innovation, problem-solving, and team motivation.
- Gained experience in protecting intellectual property rights, safeguarding the codebase and associated digital assets.

Senior Programmer Analyst (DevOps)

January 2022 - Current

Banregio | Mexico City, Mexico

- Developed Java microservices, REST APIs, and backend Core solutions to enhance banking operations.
- Designed and deployed systems using Docker, Jenkins, Kubernetes, and Atlassian Suite tools.
- Conducted incident analysis and implemented resolutions for complex technical issues.
- Built and tested new features, ensuring robust performance through post-implementation QA testing.
- Led Scrum ceremonies as a Scrum Master, improving team collaboration and delivery timelines.
- Analyzed user requirements and created detailed program specifications to optimize workflows.
- Delivered high-quality code through comprehensive reviews, maintaining software standards.

Head of program and project development department

February 2019 - December 2021

National Civil Defense | Mexico City, Mexico

- Led the development of web portals and online applications aimed at delivering critical information to the public and enhancing national resilience to natural disasters.
- Directed the design and implementation of GIS-based mapping systems for data analysis, risk assessment, and disaster prevention.
- Backend and REST API development for an open-source data project of civic defense systems.

IT assistant

July 2018 - February 2019

Enlight Mexico | Mexico City, Mexico

- Provided support and data analysis for internal web platforms and systems managing the company's core data.
- Assisted in troubleshooting and resolving Level 1 issues, effectively escalating problems to the appropriate teams when needed.
- Focused on error prevention and bug detection in mobile applications (Android and iOS).
- Ensured optimal performance and user experience across mobile applications.

IT support technician

January 2016 - July 2017

Coface | Mexico City, Mexico

- Provided first-level technical support to end users, offering remote assistance and troubleshooting.
- Managed equipment procurement and warranty processes.
Utilized the company intranet to handle IT-related requests and incidents.
- Performed basic management of cabling, switches, and servers at the site.
- Supported national and international video conferences, ensuring communications.

Web development intern

January 2015 - August 2015

Virtual Corporation | Mexico City, Mexico

- Developed custom websites tailored to client needs using primarily Adobe technologies (Muse), focusing on creating user-friendly, visually engaging web solutions.
- Led video editing and production projects to enhance digital content.
- Designed an interactive 360° virtual tour using web technologies, showcasing immersive, interactive user experiences through panoramic photos.

Software Engineering Intern

July 2013 - November 2014

Quality factor | Mexico City, Mexico

- Maintenance of the main website, development of additional pages of the company (HTML, CSS, JavaScript)
- Management of SQL databases
- Capture of data in Excel formats for subsequent analysis using graphs and tables
- Management of social networks: Facebook and Twitter of the company

EDUCATION

Computer Engineering
UNAM Faculty of Engineering

WEBSITE, PORTFOLIO AND PROFILES

- <https://www.linkedin.com/in/vargas-miguel>
- <https://portfolio-miguelvargas.vercel.app/>

CERTIFICATIONS

- IELTS certification english B2 (Overall Band Score 6.0)
- Incident Command System (Naval University) - 140 hours.
- REST API Design, Development & Management (Udemy) - 7.5 hours.
- Java Multithreading, Concurrency & Performance Optimization (Udemy) - 5.5 hours.
- Object-oriented programming (OOP) with Java (Udemy) - 12.5 hours.
- Agile Management with SCRUM (Udemy) - 9 hours.
- USAID Incident Command System Introductory Online Course.
- Bombing Prevention Awareness Course (U.S. Department of Homeland Security) - 7 hours.
- Protective Measures Course (U.S. Department of Homeland Security) - 7 hours.

LANGUAGES

English

Upper Intermediate (B2)

Spanish

Proficient (C2)

HIGHLIGHTS

Banking:

- Developed and optimized 50+ endpoints at Banregio, improving system performance and functionality, resulting in a 2% increase in wallet account registrations.
- Participated in 80+ new projects and resolved 50+ incidents, ensuring the delivery of high-quality technical solutions within tight deadlines.

Self Projects (MetaPlay Studios)

- **CheveReview:** Reviewed and improved 59 essays, fostering collaboration and mentorship in the Chevening community.
- **VR Earthquake Simulator:** With over 550 downloads on both app stores, the app achieved a 51% improvement in survival rate after repeated use, based on feedback from 100+ users aged 12-58
- **Competitions:** Won "Best Presentation" award at the conference "Building a Common Proposal: One Year After the September 2017 Earthquakes" (Sept 7, 2018).
- **Recognitions:** Presented at the seminar "New Challenges in Infrastructure Management After the 2017 Earthquake" with a stand and talks (Oct 2, 2018).

Media Appearances:

- Live interview on Engineering Program at Radio UNAM (Jan 29, 2019).
- Featured in a national TV segment on Fr@ctal - ForoTV, Televisa (Mar 30, 2019).
- Written feature on the news website SinEmbargo.mx: "Tepeyollotl: The app created by two young Mexican engineers to simulate earthquakes" (Dec 5, 2021).

VOLUNTEER AND SOCIAL SERVICE INTERNSHIP

IT Intership July 2017 - February 2018

Pemex | Mexico City, Mexico

- Maintenance and formatting of workstations, including operating system installation and internal system setup.
- Remote and in-person assistance for ticket resolution, escalation, and administrative tasks.
- Support for technical and operational requirements.

Resource Analyst & Verifier Volunteer September 2017 - October 2017

VERIFICADO19S | MEXICO CITY, Mexico

I collaborated in a multidisciplinary team to manage and verify critical data during the emergency response to the earthquake that struck Mexico on September 19, 2017. I utilized Google Drive and shared files to streamline communication and resource management across a large team, ensuring timely support by distributing rescue tools, water, food and supplies to affected citizens