Miguel Vargas

346 W 400 N • Provo, UT 84601 • migueblogs@gmail.com • +52 55 8358 2540 • linkedin.com/in/vargas-miguel/

Computer Engineer
DevOps Specialist | Full stack Developer | XR Experiences

Highly motivated and results-driven Senior Software Engineer with over 5 years of experience delivering high-quality software solutions across diverse domains, including finance, disaster response, and education. Proven expertise in designing scalable applications, leading cross-functional teams, and implementing innovative solutions that drive business growth and operational excellence. Demonstrated success in developing cutting-edge technologies such as GIS-based mapping systems and VR simulations, impacting millions by enhancing disaster preparedness and safety. Passionate about leveraging technology to solve complex challenges, improve lives, and create a lasting positive impact on the world. Committed to continuous learning and sharing knowledge to empower teams, inspire innovation, and foster collective growth.

Education

UNAM Faculty of Engineering   Mexico City, MX
Computer Engineering   June 2018
Thesis: Earthquake simulator with virtual reality
Specialization Module: Intelligent Systems and Computer Graphics

Experience

Banregio   Mexico City, MX (remote)
Senior Programmer Analyst - DevOps   Jan 2022 – Present

- Developed and maintained 50+ core Java microservices and REST APIs, enhancing transaction processing speeds by 12% and supporting 1M+ daily transactions.
- Resolved 50+ technical incidents, ensuring seamless system operations and contributing to 99.82% availability of the bank's app.
- Led Scrum ceremonies for over 80 projects, promoting Agile best practices and maintaining software development standards.

National Civil Defense   Mexico City, MX
Head of Program and Project Development   Feb 2019 – Dec 2021

- Developed 30+ GIS-based mapping systems to provide real-time disaster prevention information, empowering citizens with actionable insights for enhanced safety.
- Increased public engagement by driving over 2.3 million visits to the official National Civil Defense website, providing preparedness tools.
- Facilitated the registry portal of 500,000+ buildings for Mexico's National Earthquake Drill, enhancing nationwide disaster readiness.

Leadership & Activities

MetaPlay Studios (Startup)   Mexico City, MX
Founder & Project Lead   Nov 2023 – Present

- Successfully led and coordinated multidisciplinary teams of 4+ members, ensuring seamless collaboration, meeting tight deadlines, and delivering high-quality software.
- **VR Earthquake Simulator:** Developed an immersive VR application for disaster preparedness with over 550 downloads, enhancing user learning experiences and disaster readiness by 51% based on user feedback.
- **CheveReview Platform:** Led the design and implementation of a web platform connecting Chevening alumni with scholarship applicants, leading a team of four reviewers to support 28 applicants from 12 countries by providing feedback on 59 essays.

Skills & Interests

Technical: Java, Python, PHP, JavaScript, C#, C++, HTML, CSS, jQuery, Unity, IntelliJ IDEA, Docker, Jenkins, Kubernetes, PostgreSQL, SQL, Sybase, ArcGIS, QGIS.
Soft Skills: Open Communication, Cross Functional Team Leadership, Problem-Solving, Quick Adaptability, Data-Driven Decision Maker, Process Optimization, Focussed on Clear Objectives.
Languages: Upper Intermediate English (B2) IELTS certified and native Spanish.
Certifications: REST API Design and Development, Java Multithreading Optimization, OOP with Java, SCRUM (Udemy).
Interests: When I'm not coding, I stay active through fitness and sports, express my creativity by playing the guitar, and explore the latest advancements in rocket science, space exploration, and video games. I'm also an avid traveler who enjoys immersing myself in new cultures and embracing life's opportunities to learn and grow.