
Manuel Fernando Chavez

manuel.fernando.info@gmail.com

015221795849

Kleve 47533, Germany

Summary

Full-Stack Developer | Mechatronics Engineer

with 13+ years of experience across Tech, Automotive, Manufacturing, and Design, specializing in building responsive, high-performance applications using modern technologies and frameworks. Combines technical precision with innovative problem-solving to optimize performance, enhance user experience, and drive scalability.

Expert in frontend architecture, backend development, database design, and API integrations, ensuring secure, maintainable, and efficient systems. Passionate about AI, automation, and emerging web technologies, continuously learning and adapting to build scalable, future-proof solutions.

Brings a structured, analytical approach to development, balancing attention to detail with adaptability in fast-paced environments. Thrives on solving complex challenges and delivering cutting-edge digital solutions that enhance business efficiency and user engagement.

Skills

React, Django, Angular, Javascript, Python, Node.js, Express.js, SQL, NoSQL, Git, Web Services, REST, ERP Systems, CMS, Unit Testing, Test Driven Development, Agile, SPA, PWA, Figma

Experience

Full Stack Web Developer

Fink & Partner GmbH • Goch, Germany

02/2025 - Present

- Developing and optimized data-sensitive applications integrating with LIMS, improving system performance and maintaining high-quality landing pages
- Leading the architecture and development of scalable, secure, and compliant web applications, enhancing system reliability and security
- Designing and implementing efficient API structures, authentication workflows, and data management processes, improving system efficiency
- Managing databases, file transfers, and performance testing, streamlining backend operations and reducing system latency
- Refined UI/UX through prototyping and optimization tools, enhancing user experience and increasing engagement

AI/BI Specialist

AGREZOR International GmbH • Hürth, Germany

02/2025 - Present

- Enhancing business performance and operations through AI and automation, with a strong focus on Business Intelligence (BI), improving decision-making and efficiency
- Designing and implementing ETL processes to streamline data extraction, transformation, and loading, enabling scalable data-driven infrastructures
- Building AI-powered analytics systems, leveraging machine learning models to generate actionable insights and optimize business operations
- Optimizing data management and system integrations, automating workflows and improving data accessibility across platforms

Materials Testing Technician

WTBrinkmann GmbH • Kleve, Germany

11/2021 - 01/2025

- Conducted non-destructive testing (NDT) on welded structures, including trailers, liquid containers, and pipelines across various industries.
- Performed inspections using multiple NDT methods, including Visual Inspection (VT), Radiographic Testing (RT), Magnetic Particle Testing (MT), Mobile Hardness Testing (HT), Ultrasonic Testing (UT), and Penetrant Testing (PT).
- Evaluated test results and identified structural defects, ensuring compliance with industry standards and safety regulations.
- Compiled detailed failure analysis reports, providing actionable insights to improve quality control and operational safety.

Full Stack Developer

J&G Agency GmbH • Bocholt, Germany

02/2024 - 05/2024

- Developed user-friendly frontends and robust backends using modern technologies, enhancing application performance and user experience
- Contributed to the planning and development of a clinic patient management system, ensuring efficient data handling and workflow automation
- Collaborated with the team to implement innovative solutions, enhancing system functionality and user experience

Systems Integration

AMETEK, inc. - SPECTRO Analytical Instruments GmbH • Kleve, Germany

03/2022 - 07/2023

- Assembled and integrated high-tech elemental analyzers, combining electronics, mechanics, and software to enhance system performance.
- Optimized assembly processes, improving efficiency by 20% and reducing errors through streamlined workflows.
- Developed comprehensive technical documentation for global markets, ensuring regulatory compliance and ease of use.
- Supported the leader of assembly operations, increasing production throughput by 30% and minimizing project delays through process improvements

Education

Full Stack Web Development

CareerFoundry GmbH • Berlin, Germany

08/2023

B.Sc. Mechatronics Engineering

Universidad de Sonora • Hermosillo, Sonora

05/2016

Mechatronics Technician

CBTIS No. 11 • Hermosillo, Sonora

07/2011

Languages

English, Spanish, German, Greek

Certificates

Full-Stack Web Development Program, Front-End Development, Full-Stack Immersion, Python for Web Developers, JavaScript Algorithms and Data Structures, AppliedAI: AI Essentials, TELC Deutsch B2-C1, Certified SOLIDWORKS Professional, Altium Designer Education