

Luis Mario Bracamontes De Vega

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Results-driven Software Engineer (3 yrs) specializing in full-stack, cloud, and secure APIs. Strong in JS/C#, SQL, Digital Twins, and automation.

WORK EXPERIENCE

Avant Leap - AECO Technology Consulting | Irvine, CA

Back-End Software Engineer | July 2023 – Present

- Tested **AI applications** (Mirar, Andiamo, Clash Detection, 4D Simulation, Object Visualizer), strengthening expertise in **AI integration** and **LLM applications**
- Served as technical liaison for **customer support**, translating business needs into technical specifications
- Delivered **bug fixes** and feature enhancements
- Implemented **business process automation** to streamline workflows and improve operational efficiency
- Developed **Digital Twin solutions** using **Microsoft Azure, SharePoint, Autodesk Construction Cloud (ACC)**, and **ACC Forge APIs**

Masimo Corporation - Medical Technology | Mexicali, Baja California, México

Front-End Software Engineer Intern | June 2025 – September 2025

- Developed internal applications using **Expo/React Native** and **JavaScript**, following **agile methodologies**
- Collaborated with **UX/UI designers** to implement **responsive designs**
- Delivered technical course on **React Native** and **React Vite** to experienced developers
- Participated in **code reviews** and **Oracle training** for enterprise database solutions

BraNix - Fleet Tracking Solutions | Mexicali, Baja California, México

Full-Stack Software Engineer | March 2024 – May 2025

- Developed MexLog web application using **ASP.NET (C#)**, implementing secure **RESTful APIs** with **authentication** and input validation
- Designed and optimized **Microsoft SQL Server** database schemas, writing complex queries and **stored procedures** for data reporting and analytics
- Built responsive web interfaces using **JavaScript, CSHTML, and CSS3**, with **JSON** data structure implementation
- Implemented **API security measures** including **authentication protocols** and **rate limiting**

Skyworks Solutions, Inc. - Semiconductor Solutions | Mexicali, Baja California, México

Data Analyst Intern | July 2022 – December 2022

- Developed **Python-based regression analysis** scripts to optimize manufacturing processes
- Created technical documentation and **automated reports** to support **data-driven decision making**

EDUCATION

CETYS Universidad | Mexicali, Baja California, México

Bachelor of Engineering in Computer Science | August 2021 – June 2025

TECHNICAL SKILLS

Tech: Python, JavaScript/TypeScript, C#, Java • **Frontend:** React, Next.js, React Native (Expo), HTML/CSS, Bootstrap • **Backend:** ASP.NET, Node.js, REST, OAuth2/JWT • **Databases:** SQL Server, PostgreSQL, MongoDB • **Cloud:** Azure (Functions, SQL DB, VMs), AWS, Docker, CI/CD

