Erick Segura Sánchez

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EDUCATION

Instituto Tecnológico y de Estudios Superiores de Monterrey Monterrey, NL, México
Bachelor of Science in Computer Science and Technology *Aug. 2022 – Expected June 2026*

- **GPA:** 96.21/100
- **Distinction:** Líder del Mañana
  A full-tuition scholarship awarded to young leaders with outstanding academic performance and a strong commitment to social impact.

Centro de Bachillerato Industrial y de Servicios No. 185 Cárdenas, SLP, México
Technical Degree in Programming *Aug. 2019 – June 2022*

- **GPA:** 99/100

PROJECTS

Rift Feb 2025
Full-Stack Cloud Native Platform *ITESM*

- Developed a web platform for managing projects based on agile methodologies.
- Implemented backend infrastructure using Java Springboot and authentication based on JWT.
- Created a responsive interface using React and Tailwind

JurAid Aug 2024
Android Application *ITESM*

- Developed a mobile application using Kotlin to digitize criminal law clinic's case management and appointment system
- Implemented backend infrastructure using Supabase for secure data storage and real-time updates
- Created responsive UI/UX design following Material Design guidelines for improved user experience
- Integrated authentication system and role-based access control for different user types (lawyers, clients, students)

AWAQ Biomonitor Training System Feb 2024
Full-Stack Gamification Platform *ITESM*

- Developed a comprehensive gamification system for training biomonitors, integrating a video game, web platform, and REST API
- Created a Unity-based educational game to simulate biomonitoring scenarios and training procedures
- Designed and implemented a REST API to interconnect game data, user progress, and training materials
- Collaborated with AWAQ NGO to ensure the system met real biomonitor training requirements

Lux HackMTY 2024
AI-Powered Business Analytics Platform *ITESM*

- Developed an AI-powered platform for SMEs to analyze and optimize their business operations using natural language processing
- Implemented a conversational AI interface allowing users to query business metrics and receive actionable insights
- Built data visualization dashboards to display key performance indicators and business metrics
- Created a recommendation system for business decisions including supplier management and delivery optimization

Attentio Oct 2021 – Dec 2023
Creator & Lead Developer *Remote*

- Developed a application for individuals with ADHD to improve task organization and efficiency
- Implemented user authentication, task management system, and notification features

TECHNICAL SKILLS

Languages: Python (2.5 years), C/C++ (3 years), Java (2 years), C# (6 months), HTML/CSS, SQL
Developer Tools: Git, VS Code, Jetbrains IDEs, Office Suite, React, Supabase, Firebase, Notion
Other Technologies: Photoshop, Vegas Pro