PABLO CRUZ, MBA

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pablo.cruz.lemini@gmail.com | Portfolio | GitHub | LinkedIn

EXPERIENCED FULL STACK ENGINEER WITH FINANCE BACKGROUND

Experienced Fullstack Engineer with a strong background in finance, combining 3+ years of software development experience with 10+ years in financial management. Proven track record in developing web applications, implementing innovative solutions, and driving efficiency across projects. Adept at stakeholder management, project leadership, and leveraging technology to streamline processes.

You can watch a 5 minute video of myself showing a project I built **here**.

TECHNICAL SKILLS

Frontend: JavaScript, HTML, CSS, React, EJS
Backend: Node.js, Express, Python
Databases: MongoDB, SQLite, InfluxDB
Version Control: Git, GitHub
Other: RESTful APIs, Jupyter Notebook, Linux, Raspberry Pi

PROFESSIONAL EXPERIENCE

Freelance Developer, Various Projects,   **2019 - Present**

Salsa Candela. - www.salsa-candela.com | www.admin.salsa-candela.com   **Mexico City**
- Developed a full-stack online store, access control, and reporting system for a dance company.
- Technologies used: Node.js, Express, MongoDB, EJS, Passport.js
- Implemented robust security measures and user authentication
- Resulted in a 40% increase in successful transactions and an 80% reduction in client wait times
- Maintained and optimized the application for performance and scalability

Inverkomo.- Blog | GitHub   **Mexico City**
- Developed an automated financial reporting analysis tool using Python and Jupyter Notebook
- Integrated with Financial Modelling Prep API for real-time data retrieval
- Implemented algorithms for screening potential investments using value investment approach
- Optimized data processing for large datasets, improving analysis speed by 60%

Lasca Estudio.- Blog Water Level | GitHub Water Level | Blog Energy Monitor | GitHub Energy Monitor   **Mexico City**
- Developed IoT-based water level and electrical energy monitors for building management
- Technologies used: ESP32, Raspberry Pi, C++, MQTT, Node-Red, Grafana, InfluxDB
- Implemented real-time data collection, storage, and visualization
- Created user-friendly dashboards for easy monitoring and analysis
- Optimized power consumption of IoT devices, extending battery life by 40%

Single Family Office   **Nov 2014 – Present**

Investment Manager   **Mexico City, Mexico**
- Oversee financial operations and investments for a single family office
- Developed and maintained custom solutions for financial analysis and reporting
- Implemented process automation mechanisms, resulting in over 1 million USD in annual savings
- Created structured reporting mechanisms using data analysis and visualization techniques
- Collaborated with cross-functional teams to integrate technology solutions into financial processes

EDUCATION

Technological Institute of Mexico (ITAM)   **Oct 2010 – Oct 2012**
Master of Business Administration (MBA), Emphasis on Corporate Finance   Mexico City, Mexico

The National Autonomous University of Mexico (UNAM)   **Jan 2006 – Dec 2010**
Bachelor of Science, Research & Experimental Psychology   Mexico City, Mexico

ADDITIONAL INFORMATION
- Fluent in English and Spanish, basic German