PABLO CRUZ, MBA,

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GitHub: github.com/portfedh |Portfolio: https://pablocruz.io/ | LinkedIn: linkedin.com/in/pablocruzlemini
Languages: English (Fluent), Spanish (Native)

FULL STACK DEVELOPER

Full Stack Software Engineer with 3+ years of combined frontend and backend experience using JavaScript, Node.js, and Python. Skilled in designing, building, and deploying scalable web applications, RESTful APIs, and automation tools. Strong background in financial systems, data analytics, and process optimization. Experienced with cloud technologies, containerization, and continuous integration pipelines. Passionate about AI, automation, and building reliable end-to-end solutions for real-world problems.

PROFESSIONAL EXPERIENCE

Bite Size SA de CV - Software Engineer   **Mexico City, Mexico | Jan 2022 - Present**

Selected Projects:

Bank of Mexico (CoDi - Codigo Digital) API: API Docs, System Design
- Built a Node.js + Express API to enable real-time peer-to-peer digital payments via CoDi.
- Eliminated transaction fees and settlement delays for over 5,000 monthly sales.
- Released the project as open source under the Apache-2.0 license, promoting transparency and adoption.

AI Property Management Application Screener (daysaver.ai)
- Created an AI-based rental application screener for property management companies.
- Reduced screening time from 7 days to 1 day by automating document analysis and decision scoring.

Salsa Candela SA de CV – Dance Academy ERP System and Mobile Apps
- Designed and built an ERP platform with two mobile applications (web, Android, iOS).
- Reduced administrative workload by 70% across 5 branches serving 5,000+ monthly users.
- **salsa-candela.com | project video | bar app |mobileApp**

Investment Portfolio Financial Dashboard Video | GitHub | Technical design
- Automated data collection across multiple bank accounts, eliminating manual entry errors.
- Consolidated financial data into a real-time dashboard using Python, Docker, SQLite, and Grafana.

Financial Reporting Automation Project Overview | GitHub |Example report
- Automated monthly financial reports using Python and the Financial Modeling Prep API.
- Reduced 40+ hours of manual reporting per week, supporting value-investing decisions.

IoT Monitoring and Automation Projects Water Level | GitHub Water Level | Energy Monitor | GitHub Energy Monitor
- Developed IoT systems for industrial water level and energy consumption monitoring.
- Achieved 99.5% uptime using Python, C++, MQTT, Node-RED, InfluxDB, and Grafana.

Inverkomo SA de CV - Investment Manager   **Mexico City, Mexico | Nov 2014 - Dec 2024**
- Oversaw financial operations of a family office managing over USD 150M in assets.
- Built automation tools for reporting and portfolio tracking, saving over USD 1M annually.
- Designed a scalable and secure platform for confidential data management.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, Bash, Typescript
- **Frontend:** React.js, Next.js, HTML, CSS, EJS, React Native
- **Backend:** Node.js, Express.js, REST APIs, GraphQL
- **Databases:** MongoDB, MySQL, SQLite, PostgreSQL, InfluxDB
- **Cloud & DevOps:** Docker, AWS (S3, EC2), GitHub Actions, CI/CD
- **Data Analysis & Visualization:** Pandas, NumPy, Jupyter Notebook, Grafana
- **Testing:** Unittest (Python), Jest (JavaScript)
- **Version Control:** Git, GitHub.
- **Financial Tools:** Excel, Quickbooks, FMP API, Yahoo Finance API, financial modeling and analysis
- **Methodologies:** Agile, Scrum
- **Operating Systems:** Linux, MacOs, Windows

EDUCATION

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

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