Lester Ivan Pino Barragan

📞 +1 778 302 5374   ✉ lesterivpino@gmail.com   in/lesterpino/   ◈ lesteriv28   🌐 lesterpino.dev

📍 Vancouver, Canada

PROFESSIONAL SUMMARY

Solutions-focused Computer Engineer with experience in C/C++, embedded systems, firmware, and frontend development. Proven ability to deliver reliable, scalable solutions through QA leadership, database systems, and cross-functional teamwork. Strong background in bridging hardware-level performance with modern user-facing applications. Committed to driving quality, innovation, and resilience in every project.

TECHNICAL SKILLS

CX & Solution Delivery
- Client Onboarding
- CRM Implementation
- Support Operations
- KPI Optimization
- Relationship Management
- Escalation Handling
- Guidance & Coaching

Technical Stack
- HTML, CSS, Sass, JavaScript
- React.js, Vue
- Flutter
- SQL, PostgreSQL
- Figma, Jira, Confluence
- Github

Core Engineering
- C, C++, Java, Python
- Embedded Systems & Firmware (Arduino, Raspberry Pi)
- Verilog/VHDL, MATLAB, Rust.
- Hardware Development
- Electronics & Circuit Analysis
- CAD

Methodologies
- Agile/Scrum
- QA & Test Automation
- Project Management & Leadership

PROFESSIONAL EXPERIENCE

IT Support Engineer   **Feb 2025 – Present | White Rock, Canada**
Arthur Murray White Rock
- Led resolution of IT incidents across 50+ user workstations, reducing downtime and improving team productivity.
- Implemented and automated scheduling and communication workflows, streamlining client interactions and saving staff 10+ hours weekly.
- Maintained and secured sensitive client data, ensuring compliance with data privacy standards.
- Acted as the primary technical liaison, providing clear guidance to non-technical staff and enhancing overall system adoption.

Quality Assurance Engineer   **Apr 2021 – May 2022 | Vancouver, Canada**
Gluwa Borderless Financials
- Designed and executed automated test frameworks for APIs, mobile apps, and CI/CD pipelines using Python, Java, and C#, increasing coverage by 40%.
- Owned end-to-end QA lifecycle in Agile sprints, collaborating with developers and product managers to ensure release quality.
- Optimized Selenium-based UI regression suite, reducing average test runtime by 25%.
- Drove defect resolution by documenting and presenting root causes to leadership, improving release stability and reducing post-deployment issues.

Frontend Developer   **Jan 2020 – Feb 2021 | Panama City, Panama**
Centro Bilingüe Los Pinos
- Developed and maintained responsive, accessible web applications serving 300+ active users.
- Translated UI/UX designs into cross-browser compatible components, ensuring high usability and WCAG accessibility compliance.
- Streamlined deployment process using Git-based version control and continuous integration tools, reducing release turnaround by 30%.
- Partnered with educators to implement digital-first tools, enhancing student engagement and course delivery.

PROJECTS

YASE: Yet Another Storage Engine   **Jan 2025 - Apr 2025 | SFU**
- Built a fully functioning database engine using C++, simulating memory management, logging, skip list indexing, lock-based concurrency, and resource management, crucial for data center environments.
- Benchmarked system with performance harnesses; debugged concurrency, memory management, and transaction handling.

Capstone Project – EVE (EnVision Ease).   **May 2024 - Dec 2024 | SFU**
- Designed and implemented a data-driven energy efficiency platform integrating monitoring, visualization, and predictive analytics.
- Delivered technical presentation and demo to stakeholders, bridging engineering insights with business impact.

FPGA Driving Game – "Parking Crashers"   **Jan 2024 - Apr 2024 | SFU**
- Built a 2D driving game on ZedBoard FPGA with VGA output and hardware-based random number generator.
- Designed RTL schematics and custom IP blocks (debouncer, clock divider) using Vivado for VGA display and audio processing utilizing I2C protocols.
- Achieved dual-core parallel processing using ZYNQ7000 FPGA, integrating C/C++ and Verilog for real-time user-driven applications.

EDUCATION

Bachelor of Applied Sciences in Computer Engineering   **British Columbia, Canada**
Simon Fraser University