

PEDRO SALAZAR

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SKILLS

- Java | Python | JavaScript | C | Visual Basic .NET | SQL | PL/SQL | React | Tailwind CSS | JavaFX | Swing | Tkinter | Windows Forms | HTML | CSS
- SQL Server | Oracle Database | MySQL | Git | GitHub | Jira | Scrum | Figma | UML | BPMN | IntelliJ IDEA | Visual Studio Code
- Object-Oriented Programming | Event-Driven Programming | MVC | API Integration | Web Applications | Desktop Applications | Database-Connected Systems | Technical Documentation
- Related Areas: Machine Learning | Computer Vision | Cybersecurity | Frontend | Backend | Native Spanish | Professional English

PROFESSIONAL PROFILE

- Software developer with a background in Systems and Computer Engineering, focused on web projects, desktop applications, database-connected systems, and applied artificial intelligence integration.
- Practical experience developing interfaces, application flows, and functional prototypes with Java, Python, JavaScript, React, JavaFX, SQL, and Tailwind CSS.
- Co-author of a scientific publication related to computer vision for food detection and classification.

EXPERIENCE

Independent Software Developer Self-employed 2022 - Present

- Development of web and desktop applications using Java, Python, JavaScript, React, JavaFX, SQL, and Tailwind CSS.
- Design of interfaces and application flows applying object-oriented programming, MVC, event-driven programming, and API integration.
- Development of academic, freelance, and portfolio projects, including websites, banking interfaces, enrollment systems, logic games, and AI experiments.

EDUCATION

Bachelor's Degree in Systems and Computer Engineering Technological University of Panama 2021 - 2026

- Academic requirements completed; university degree pending official issuance.

PROJECTS

- **Portfolio Cristina Granda:** Development and deployment of a professional portfolio for a voice artist, with responsive design, visual sections, and service presentation. Links: [Demo](#) | [GitHub](#).
- **VB.NET Enrollment System:** Desktop system for managing enrollment, students, teachers, subjects, schedules, and academic records. Links: [GitHub](#).
- **Bank Project:** Desktop banking application prototype with structured screens, navigation, and graphical interface in JavaFX and CSS. Links: [GitHub](#).
- **Battle Ship Game:** Console game with board logic, turns, attacks, validations, game states, and victory conditions in C. Links: [GitHub](#).
- **Pokémon Battle AI:** Turn-based battle simulator with decision-making based on adversarial search and artificial intelligence. Links: [GitHub](#).
- **N-Queens Search Visualizer:** Visualizer for the N-Queens problem using search strategies such as BFS, DFS, A*, Best-First Search, and Hill Climbing. Links: [GitHub](#).

PUBLICATION

- Food Detection and Classification in Refrigerators Using Artificial Vision Models: Co-author of a scientific paper presented at the IX International Conference on Engineering, Science and Technology, affiliated with the Technological University of Panama in association with Mälardalen University in Sweden. DOI: 10.13140/RG.2.2.35829.90082

CERTIFICATIONS

- AWS Academy Graduate - AWS Academy Cloud Foundations | 2024 | [View Credential](#)
- MySQL Database Principles | 2022 | [View Credential](#)
- Agile Practices with Jira | 2022 | [View Credential](#)
- Dell Volunteers Project Management Program | 2022 | [View Credential](#)