Alan Josueth Pacheco Cueva

Software Developer

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Passionate Fullstack Developer focused on building secure and automated solutions aligned with critical business processes. Combines hands-on experience in web and backend development with a strong understanding of risk and compliance gained in financial environments. Has participated in initiatives applying **OWASP** best practices to web and mobile applications, **AI-based models**, and workflow automation using Power Automate. Brings a unique auditing perspective that enhances his ability to create reliable, scalable, and security-driven products aligning those skills with a strong proactivity attitude and teamwork.

Portfolio, Profile

- https://thecodesolutions.com
- https://ec.linkedin.com/in/alan-pacheco-cueva-b7b3a9223

Experience

Jun 2024 - Current

IT Systems Auditor
Banco Internacional, Quito, Provincia de Pichincha

- Assessed technology risks and threats using OWASP guidelines, ensuring secure development practices in banking environments.
- Reviewed critical IT policies and documentation, strengthening the organization's technology governance.
- Automated system analysis and alerts through **IDEAScript scripting**, significantly reducing operational times.
- Developed internal fullstack tools using **Vue.js**, **Node.js**, and **SQL Server**, aligned with audit and data analysis needs.
- Built **ETL** processes and **Power BI dashboards** to support input generation for audit area management.
- Conducted technical audits focused on development best practices.
- Contributed to the Bank's **Innovation Challenge IA**, designing AI-powered solutions and process automation tools with a multidisciplinary team.

Nov 2022 - Current

Freelance Fullstack Developer

Alan Pacheco, Quito, Ecuador (Remote)

- Designed and developed custom fullstack solutions using **React**, **Vue.js**, **Node.js**, **SQL Server**, and **MongoDB**.
- Implemented AI-based recommendation models for shopping carts, improving user experience and conversion rates.
- Provided technical mentorship in game development projects using **Unity** and **C#**, supporting practical learning in educational settings.
- Performed advanced debugging to resolve critical production issues, enhancing software stability.
- Automated administrative workflows using **Power Automate**, delivering efficient low-code solutions.
- Managed requirements gathering, solution design, testing, and client support, ensuring tailored and successful project deliveries.

Aug 2023 - Jun 2024

IT Risk Assurance

PwC, Quito, Ecuador

- Assessed technology risks applying cybersecurity principles and internal control frameworks in corporate environments.
- Analyzed and proposed improvements in IT policies and technical documentation, strengthening regulatory compliance.
- Automated financial reports using scripting and analytical tools to support strategic decision-making.
- Collaborated with technical and functional teams to map processes and technology architecture.
- Validated data integrity and traceability in critical systems, applying database knowledge and programming logic.

Jan 2023 - Jul 2023

Front-End Developer

Digital Loop, Quito, Ecuador (Remote)

- Developed responsive web applications using **Vue.js**, integrating dynamic components for both desktop and mobile platforms.
- Implemented backend logic with **Node.js**, managing data with **MongoDB**, **MySQL**, and **Firebase**, and building secure **RESTful APIs**.
- Transformed **UX/UI prototypes** into functional interfaces aligned with client requirements and accessibility standards.
- Automated tests with **Cypress** and conducted SEO/technical audits using **ScreamingFrog**, ensuring performance and visibility.

Oct 2021 - Jul 2023

Teaching Assistant

Universidad De Las Américas, Quito, Ecuador

- Developed academic and social solutions using **React Native**, **React**, and **Vue.js**, integrating web and mobile functionalities.
- Managed data persistence in both real and experimental systems using relational and **NoSQL** databases.
- Guided students in the use of career-related technologies, including virtual reality and development environments.
- Provided support in the maintenance of labs and equipment, ensuring

availability for research and projects.
- Created learning materials and hands-on activities to strengthen technical skills in educational settings.
- Earned recognition in competitions such as **SAP Challenge**, **InfoMatrix**, **Ingennials UDLA (Two first places)**, and **Chasky Bots** for high-impact projects.

Jun 2022 - Dec 2022 **T Support**
Life And Hope, Quito, Ecuador
- Carried out technical tasks with autonomy and responsibility, effectively managing time and priorities.
- Maintained clear communication within multidisciplinary and remote teams, supporting technical coordination.
- Quickly learned new tools, methodologies, and programming languages, adapting efficiently to various projects.

Education

Expected in Jan 2026 **Master of Science: Artificial Intelligence**
Master in Applied Artificial Intelligence - Universidad De Las Américas (UDLA)

May 2020 - Aug 2024 **Bachelor of Science: Software Engineering**
Universidad De Las Américas (UDLA) - Quito, Ecuador
- Won the Faculty of Engineering's **"Ingennials" competition** twice during my academic career.
- Graduation project selected as the **winning entry in the Ingennials competition**.
- Winner in the **SAP Challenge category** with a university project.

Skills

- Fullstack Development

- API Design & Integration

- Database Management (SQL / NoSQL)

- Frontend Frameworks (Vue.js / React / .NET)

- Backend Development (Node.js, Python)

- Version Control (Git / GitHub)

- Test Automation (Cypress)

- Data Analysis & Visualization (Power BI)

- Secure Development (OWASP practices)

- DevOps & Automation (Power Automate / CI/CD)

- AI-Based Recommendation Models

- Client Requirements Gathering

Achievements

- **Winner of the 2nd edition of Ingennials (UDLA – FICA)** with the development of an innovative educational platform aimed at transforming learning processes through accessible and customizable technology.
- **Winner of the 4th edition of Ingennials (UDLA – FICA)** with a graduation project focused on a platform for managing advertising campaigns.
- **Recognized in the SAP Challenge** for creating a digital educational solution aligned with the training needs of corporate environments.
- **3rd Place Winner in Chaskibots** with an interactive educational project promoting Ecuadorian indigenous stories through virtual reality experiences.
- **3rd Place Winner in Infomatrix** with the development of a mobile app for livestock management, designed for productivity control and traceability.

Languages

Spanish: Native language

English

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Advanced (C1)