

## Paulo Llanos

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### Professional Summary

Highly skilled Software Developer with over 4 years of experience in frontend and backend development, specializing in creating interactive and scalable web applications. Expert in cutting-edge technologies like React, Next.js, Node.js, and Python, with a proven track record in building robust APIs and implementing efficient state management solutions. Proficient in leading complex migrations, optimizing application performance, and delivering innovative solutions. Passionate about learning and applying emerging technologies to drive business success, with a commitment to collaboration and excellence.

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### Professional Experience

#### Frontend Specialist

*Rimac Seguros, Nov 2023 – Present*

- Designed and implemented highly responsive web interfaces using ReactJS, emphasizing mobile-first design principles.
- Led a seamless migration from Redux to Zustand, enhancing application performance and maintainability.
- Engineered modular React components and custom hooks to streamline development and ensure scalability.
- Managed major system upgrades, including Node.js (14 to 18) and Ant Design (v3 to v5), improving compatibility and user experience.
- Developed advanced geospatial solutions with React-Leaflet, integrating plugins like TimeDimension and multi-layer Geoserver functionalities.

#### Full Stack Developer

*Fractal, Apr 2022 – Aug 2022*

- Designed and deployed scalable APIs using .NET Core, ensuring seamless data integration via AJAX.
- Implemented dynamic, server-rendered views using Razor technology, improving application responsiveness.
- Innovated a real-time communication feature utilizing Slack API and WebSockets, elevating user engagement and collaboration.
- Collaborated in a cross-functional team to deliver high-quality web solutions aligned with client needs.

#### Software Developer

*CRD, Aug 2022 – Nov 2023*

- Architected and deployed serverless APIs on AWS Lambda, integrating secure authentication via AWS Amplify.

- Enhanced frontend validation and backend data security with Yup, Formik, and JOI.
- Improved code coverage and reliability through extensive Jest testing.
- Contributed to the development of a feature-rich mapping platform, ensuring mobile-friendly designs and reusable components.

### **Backend & Frontend Developer**

*Transforma Digital Peru | Neomadas, Jul 2021 – Mar 2022*

- Led the development of “Lucy,” a robust web system using Django, delivering scalable applications.
- Designed a custom WordPress site for Unicon using SASS and PHP, optimizing functionality and user experience.
- Pioneered real-time communication systems with WebSockets, seamlessly integrating them with backend APIs.
- Strengthened team collaboration, ensuring timely and quality project delivery.

### **Blockchain and FHIR HL7 Researcher**

*Thesis Project, 2021 – 2022*

- Designed and implemented an innovative system for the interoperability of Electronic Health Records (EHR) in the Peruvian context.
- Transformed EHR formats to FHIR HL7 standards to ensure compatibility across health systems.
- Leveraged blockchain technology to guarantee the integrity and traceability of shared medical data.
- The research culminated in an indexed publication with DOI: [10.3991/ijoe.v20i03.44507](https://doi.org/10.3991/ijoe.v20i03.44507), consolidating a year of work to improve interoperability in health systems.

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## **Education**

### **Bachelor of Engineering in Information Systems**

*Universidad Peruana de Ciencias Aplicadas (UPC), Peru, 2016 – 2022*

### **Certifications**

- *Programming for Everybody (Getting Started with Python)* – 2021
- *Google Analytics for Business* – 2020
- *Scrum Fundamentals Certified* – 2020

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## **Skills**

**Technical Skills:** ReactJS, NextJS, Node.js, Python, Django, Express.js, .NET Core, MongoDB, Firebase, AWS, Docker, SQL, TypeScript, JavaScript, Formik, Yup, Ant Design, Leaflet, WebSockets, Jest, Blockchain, FHIR HL7.

**Soft Skills:** Leadership, strategic thinking, creativity, communication, analytical

problem-solving, adaptability.

**Languages:** Native Spanish, Advanced English.

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## Achievements

- **Publication in International Q2 Journal:** The thesis research was published in the *International Journal of Online and Biomedical Engineering*, a Q2-ranked journal, highlighting its relevance and contribution to technology and interoperability in health systems.
  - **1st Place in ERPsim Game, Iberoamerica 2020:** Successfully led a virtual team in managing a simulated enterprise, demonstrating innovation, teamwork, and strategic decision-making.
  - Modernized legacy systems and implemented cutting-edge technologies, enhancing user experience and scalability.
  - Consistently recognized for delivering high-impact solutions that exceed client expectations.
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## Interests

Exploring emerging web technologies, mentoring junior developers, and engaging in collaborative projects that drive innovation.