

# Juan Rodriguez | Frontend Engineer (React / React Native)

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## Professional Profile

Software Engineer with 4+ years of experience delivering secure, high-performance, and scalable applications in banking and fintech environments. Specialized in React, LitElement, and modern JavaScript frameworks, with proven success optimizing performance, enhancing accessibility (WCAG 2.1 AA), and creating user-centric digital solutions that comply with strict regulatory standards. Strong background in frontend architecture, backend integration, and DevOps practices, complemented by experience leading cross-functional teams and defining coding standards. Recognized for a meticulous approach to code quality, maintainability, and security, ensuring that financial products are reliable, compliant, and aligned with business goals. Highly adaptable and committed to continuous learning. If a technology or skill is not yet in my toolkit, I make it a priority to learn it quickly and apply it effectively.

## Technical Skills

Languages: JavaScript (ES6+), TypeScript

Frontend: HTML5, CSS/SCSS, React, React Native, jQuery, Web Components (LitElement)

Testing: Unit Testing (karma, mocha), E2E (selenium, webdriver IO)

CI/CD: GitHub Actions, Bitbucket Pipelines, Jenkins, SonarQube

Servers: NGINX/Apache (linux)

Version Control: Git (GitFlow), PRs, code reviews, Jira

## Education

**University of Pennsylvania** – IAPS Summer A 2025 Program, Philadelphia - USA ( July 2025 )

- Courses: IAPS Leadership and Teams Building Advanced, IAPS Innovation and Technology Advanced, IAPS Core Advanced.
- Developed advanced leadership, innovation, and communication skills in a highly diverse, international academic setting.
- Delivered presentations and collaborated on group projects, strengthening public speaking and teamwork abilities.

**Peruvian University of Applied Sciences** – Electronic Engineering, Lima - Perú (2018 – 2021)

- Published research paper at BTSym symposium on ECG Signal Reconstruction ([Certificate](#))
- GPA: 16/20 ≈ 3.27
- Coursework: Operating Systems, Artificial Intelligence, Microcontroller Programming.

# Experience

## BBVA Bank Peru – Front-End Engineer / Release Manager | May 2023 - Present

- Designed and implemented LitElement development standards, improving performance and accessibility.
- Consumed and integrated REST APIs following bank standards (versioning, error contracts, retries/timeouts, auth flows).
- Led 'Glopilot', an AI-based development automation initiative using VS Code and Chrome extensions (React), reducing repetitive coding tasks by 35%.
- Consumed and integrated REST APIs following bank standards (versioning, error contracts, retries/timeouts, auth flows).
- Built reusable, accessible UI components (React/LitElement), improving user experience and maintainability.
- Delivered training for new developers in Cells, LitElement, accessibility, and e2e testing.
- Contributed to key projects including Claim Book, Contract Signing, My Conversations, BBVA Points, and Spherica Migration.
- Ensured cross-browser/platform behavior for key user journeys and supported performance budgets.
- [App Store](#) and [Google Play](#).

Stack: LitElement · JavaScript · React · Chrome Extensions · Web Components · Karma · Radish · Bitbucket · Android · iOS

## Devsu (Pichincha Bank - CoE) Full Stack Developer | Jan 2022 - Jun 2023

- Developed cognitive assistant using Azure (Bot Service, LUIS) integrated with Microsoft Teams, reducing operational workload by 8 FTEs.
- Applied prompt engineering techniques for automated process table extraction.
- Automated workflows with UiPath, Power Automate, and PowerApps.
- Created a NestJS backend archetype adopted across the organization.

Stack: UiPath · Power Automate · Power Apps · Node.js · NestJS · Azure · Bot Service · LUIS · Microsoft Teams · OpenAI · Flask · Python

## TruMarket - Freelance Full Stack Developer | Nov 2023 - Feb 2024

- Enhanced marketplace dashboard performance with Next.js (App Router) and Turbopack, improving load times by 40%.
- Implemented GraphQL queries/mutations and MongoDB schema for scalable product and user data.
- Strengthened CI/CD pipeline with GitHub Actions, automating testing and deployments.
- Improved unit test coverage by 25%, ensuring maintainability and reducing bugs.
- Webpage: <https://trumarket.tech/>

Stack: Next.js - Turbopack - GraphQL - MongoDB - Docker - GitHub Actions - TypeScript - Unit Testing - GitHub

## Distribuidora y Droguería Inka S.A.C. – Web & Infrastructure Developer | Dec 2020 - Dec 2021

- Managed servers running Windows Server 2012R2 and 2016.
- Developed a landing page with Next.js and Firebase ([www.disdroinka.com](http://www.disdroinka.com)).
- Implemented a business card generator ([www.disdroinka.com/tarjeta](http://www.disdroinka.com/tarjeta)) and official corporate email signature tool ([www.disdroinka.com/firma-oficial](http://www.disdroinka.com/firma-oficial)).
- Built a real-time sales tracking system (Next.js, React Native - Google Play link).

Stack: Next.js - React Native - GraphQL - MongoDB - Vercel - TypeScript - Redux - Unit Testing - GitHub

## VascoTechnologies S.A.C. – Practicante de Sistemas (PHP, Wordpress) | Mar - Jun 2021

- Migrated an e-commerce platform to WordPress ([tienda.vascotechnologies.net](http://tienda.vascotechnologies.net)) and developed a product quotation tool ([tienda.vascotechnologies.net/cotizador](http://tienda.vascotechnologies.net/cotizador)) with PDF generation and email alerts for analytics, using PHP.
- Created custom payment gateway plugins (Yape, Plin, and Tunki).

## Courses and certifications

AI Application Development – <a href="#">IDAT</a>	19/06/2025
Google Cloud Skill Badges: <a href="#">Load Balancing</a> , <a href="#">Cloud Security</a> , <a href="#">App Dev Environment</a> , <a href="#">Secure Network</a>	28/05/2025
EF SET English Certificate 63/100 (C1 Advanced) <a href="https://cert.efset.org/hk46x6">https://cert.efset.org/hk46x6</a>	01/04/2023
NODE JS: ADVANCED CONCEPTS – <a href="#">Udemy</a>	24/03/2022
REACT FRONT TO BACK 2022 – <a href="#">Udemy</a>	16/02/2022
DESARROLLO WEB COMPLETO CON HTML5, CSS3, JS, AJAX, PHP Y MYSQL – <a href="#">Udemy</a>	02/02/2022
GOOGLE IT SUPPORT – <a href="#">Google</a>	17/06/2021
RESPONSIVE WEB DESIGN – <a href="#">freeCodeCamp</a>	26/01/2021
ENTERPRISE NETWORKING, SECURITY, AND AUTOMATION V7.0 – <a href="#">Cisco Networking Academy</a>	14/12/2020

## Side Projects

### Inka Calc | Gold Calculator – React Native Mobile App (Aug 2025)

- Developed for a local business to calculate gold prices in USD and PEN.
  - Published on Google Play a gold price calculator in USD and PEN.
  - Built with React Native, integrated real-time exchange rates, and implemented store compliance.
- <https://play.google.com/store/apps/details?id=com.inkaCalc.jitrodriguez>

### NPM Package vscode-chat-langchain-bridge (Nov 2025)

- Library with typescript to bridge vscode chat participants with classic Langraph flow
- <https://www.npmjs.com/package/vscode-chat-langchain-bridge>