

IVONNE BENITES RODRIGUEZ

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PROFESSIONAL SUMMARY

Full Stack Developer and Cybersecurity Researcher with hands-on experience in JavaScript, React, Ruby on Rails, and PostgreSQL. Transitioned from entrepreneurship to technology through intensive bootcamp (1,300+ hours), followed by real-world development at healthcare startup.

Currently completing Master's in Cybersecurity while conducting academic research— co-authoring paper under review with Springer Journal on penetration testing methodologies.

Strong foundation in software architecture, SDLC, secure coding, and compliance frameworks (PCI-DSS, ISO 27001, NIST). Passionate about working for global player in financial services.

TECHNICAL SKILLS

Software Development: JavaScript, TypeScript, Ruby, Python, PostgreSQL | React, Ruby on Rails. Software Architecture, SDLC, RESTful APIs, MVC Pattern | Agile/Scrum, Git, TDD, Code Reviews.

Development & Quality Practices: Static Code Analysis (ESLint, Stylelint), Pair Programming, Collaborative Development, Software Testing techniques.

Security & Testing: OWASP ZAP, Burp Suite, Metasploit, Nmap, Nessus, Google Dorks, Penetration Testing, Vulnerability Assessment, Security Testing for Web Applications.

Compliance & Standards: PCI-DSS 4.0, ISO/IEC 27001, SOX, NIST Cybersecurity Framework, OWASP Top 10, and PTES (Penetration Testing Execution Standard).

Languages: Spanish (Native) | English (Business Fluency) | German (B2) | French, Italian, Japanese (Intermediate+)

EDUCATION

Master of Science in Cybersecurity September 2024 - January 2026
(Expected) Arden University, Berlin, Germany

- Thesis: "Enhancing Web Application Security: Penetration Testing Stages, Tools, and Best Practices in the Financial Sector" (Submitted November 2025)

- Developed five-stage penetration testing framework for financial institutions

- Specialized in compliance frameworks (PCI-DSS, ISO 27001, SOX, NIST) for banking sector

Full Stack Development Bootcamp June 2023 - March 2024
Microverse (Remote, International Cohort)

- 1,300+ hours intensive training in software engineering and full-stack development

- JavaScript, TypeScript, Ruby, Rails, PostgreSQL, software architecture, SDLC.

- Built multiple applications from concept to deployment using agile methodologies

Bachelor of Science in Marketing February 2017 – June 2021
Universidad Peruana de Ciencias Aplicadas (UPC), Lima, Peru

PROFESSIONAL EXPERIENCE

Web Developer Intern

September - November 2024

Treage (Healthcare Startup), Berlin, Germany

- Developed web application features using JavaScript, React, Rails in collaborative agile team environment.
- Wrote production code reviewed by senior engineers, contributing to live healthcare platform.
- Applied software testing techniques throughout SDLC.
- Implemented secure coding practices and participated in Git workflows, code reviews, sprint planning.
- Less than 12 months full-time work experience (meets Graduate Programme eligibility).

Founder & General Manager

July 2009 – March 2024

Casa Yllika (International Student Residence), Lima, Peru

- Founded and scaled business serving 200+ international students annually with 95% satisfaction rate.
- Led team of 8, established partnerships with institutions across USA, Europe, and Asia.
- Developed problem-solving, communication, stakeholder management skills applied to technical work. -
- Successfully transitioned business to independent management to pursue technology career.

RESEARCH & PUBLICATIONS

Academic Researcher & Co-Author

September 2024 - Present

Cybersecurity Research, Arden University Berlin

Co-Author: "PENETRATION TESTING: A COMPREHENSIVE GUIDE FOR CYBERSECURITY PRACTITIONERS" Currently under review with Springer Journal

- Conducting academic research on penetration testing methodologies for financial sector.
- Co-authored comprehensive guide with Professor of Master's in Cybersecurity programme.
- Developed practical framework analyzing penetration testing tools across all testing stages.
- Researched tools' strengths, skills requirements, and licensing models for banking applications.
- Created actionable guidance for security professionals implementing testing in production environments.
- Focus on enhancing safety and reliability of financial services technology systems.

TECHNICAL PROJECTS

Bookingform - Full-Stack Web Application (Production-Ready)

Live: ivonnebenitesrodriguez.github.io/bookingform

GitHub: github.com/IvonneBenitesRodriguez/bookingform

Designed and delivered complete engineering solution: Ruby on Rails API with RESTful endpoints, PostgreSQL database demonstrating software engineering principles.

React frontend with responsive design, state management, API integration.

Personal Portfolio

Live: ivonnebenitesrodriguez.github.io/my_portfolio_2025

Responsive web application built with React demonstrating frontend development expertise.