Luis Bonilla Villalobos

Software Engineer | Technical Lead | Innovation Consultant
San José, Costa Rica · +506 8724 6759 · alboni90@gmail.com / lbonillav7@gmail.com

Professional Summary

Dynamic and highly creative software engineer with over 15 years of international experience delivering innovative solutions for leading companies in the US. Recognized for technical leadership, building and empowering high-performance teams, and driving continuous improvement.

Passionate about contributing as an **individual contributor** who bridges creativity, technical depth, and collaboration to deliver meaningful results. After a period dedicated to consulting and product R&D;, I am eager to bring my expertise in innovation, automation, and digital transformation to forward-thinking organizations.

Key Skills

Front-End: JavaScript, React, Bootstrap, Tailwind
Back-End: NodeJS, Python, Django (with anecdotal use of Flask, .NET, and Ruby on Rails)
Databases: PostgreSQL, MSSQL, MySQL
DevOps & Cloud: Docker, CI/CD, Terraform, AWS
Version Control: Git
Project Management: Jira, Agile Methodologies, Critical Path
Collaboration: Mediation, cross-functional team leadership, stakeholder engagement, mentoring
Communication: Bilingual (Spanish-English), technical documentation, knowledge sharing

Professional Experience

Independent Consultant & Technology Innovation Leader – Jan 2023 – Present
- Led digital transformation and automation projects for SMEs and startups, implementing SaaS solutions with clean architecture and modern technologies (Node.js, Python, PostgreSQL, Redis), capable of large-scale data processing (>5,000 URLs/hour).
- Developed CI/CD pipelines, automated testing (>85% coverage), and comprehensive monitoring (Prometheus, Grafana), achieving reliable and auditable operations.
- Managed cloud migrations, reducing delivery times and increasing operational resilience.
- Successfully mediated collaboration between historically conflicted departments, facilitating effective teamwork and strategic alignment.
- Mentored junior developers and promoted a culture of documentation, agility, and continuous improvement in uncertain environments.
- Drove product R&D; in media intelligence (SaaS prototyping with NLP, sentiment analysis, and reputation KPIs), from technical validation to go-to-market strategy.

Critical Mass – Nov 2022 – Jan 2025
Technical Lead – Nissan
- Revitalized a critical project by enforcing coding standards, improving efficiency and robustness.
- Implemented comprehensive unit testing and TDD practices, resulting in reduced regressions and enhanced code quality.
- Streamlined code review processes, organized documentation, and cultivated a collaborative team environment.

• Coordinated with multiple teams to enhance CI/CD processes and restore timely deployments.
• Drove internal development initiatives and promoted maintainable, best-practice code.

Technical Lead – Apple
• Led a team to improve maintainability, performance, and codebase cleanliness for key products.
• Utilized Python and modern frontend technologies to optimize features and drive technical refresh strategies.
• Oversaw project delivery, including candidate interviews, task assignments, and cross-team communication.

Sideqik – Feb 2022 – Sep 2022 (Role ended due to company-wide layoff)
• Contributed to e-commerce influencer marketing platform, developing end-to-end features and integration tests.
• Provided technical recommendations and handled database updates (PostgreSQL, Ruby on Rails, Ember, Capybara).

Stateside – 2016 – 2022

Senior Software Engineer – Sephora
• Led front-end team for in-store event management and Beauty Advisor scheduling products across US and Canada.
• Developed core web application components (shopping basket, checkout), contributed to in-house JavaScript framework evolution.
• Implemented localization and performance optimization frameworks, integrated third-party services, and drove code review initiatives.
• Recognized for innovation and impact (Sephora hackathon winner, Maverik Prize nominee).

Education

B.Sc. Computer Engineering
Universidad Estatal a Distancia (UNED), Costa Rica

Value Proposition

I offer a unique combination of hands-on technical expertise, proven leadership, and the adaptability gained from entrepreneurship and consulting.

Equally comfortable **leading teams** or contributing as an **individual collaborator**, I bring a passion for creating meaningful, scalable, and maintainable solutions that elevate both products and people.