

Mario Fernando Araya Royo

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Summary

Junior Software Engineer with 2+ years of experience building mobile and web applications. Proven ability to design and deliver scalable full stack solutions, with a strong foundation in system architecture, database design, API development, and cloud technologies. Active open source contributor with a focus on creating impactful and high-quality software projects.

Education

Fidelitas University

Sep 2021 – June 2024

- Licentiate of Engineering in Computer Science (Jan 2024 - Dec 2025)
- Bachelor of Engineering in Computer Science (Sep 2021 – Sept 2023)

Experience

IT Operations & Monitoring Specialist, Banco Nacional - Remote, CR

Feb 2025 – Aug 2025

- Monitored critical banking systems and ensured high availability through enterprise-level monitoring tools.
- Supported anomaly detection, incident response, and SQL-based analysis, improving system performance and decision-making efficiency.

Software Developer, Devlive - Remote, CR

Aug 2024 – Jan 2025

- Built and optimized features for multiple web applications, improving load times and user experience by 30%.
- Refactored large legacy codebases applying SOLID principles, reducing technical debt and increasing maintainability by 40%.
- Delivered full stack solutions in collaboration with cross-functional teams, ensuring 100% alignment with business requirements and accelerating release cycles by 20%.

Mobile & Web Developer, Codingraph - Remote, CR

Dec 2023 – Jul 2024

- Built and optimized e-commerce platforms handling hundreds of daily transactions, enhancing stability and user retention.
- Designed and launched a healthcare mobile app with scheduling and communication features, reducing appointment conflicts by 35%.

Technologies

Languages: Java, C#, SQL, JavaScript, Typescript

Technologies: .NET, SpringBoot, Angular, React, SQL Server, MongoDB, Supabase, Firebase

Cloud: AWS and Azure

Projects

SafeTrust

GitHub Repo

- Developed secure backend infrastructure and API endpoints for a P2P financial transaction platform.
- Built authentication and role-based access control systems, ensuring data security and compliance.

StarShop

GitHub Repo

- Architected scalable backend for a full-featured e-commerce platform with robust product and inventory management APIs.
- Integrated secure payment processing and user authentication systems to ensure safe transactions.

GoStarkMe

GitHub Repo

- Developed backend services for a crowdfunding platform, managing projects and donations.
- Built APIs for donation processing and real-time campaign tracking with notifications.