Juan Ramirez

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Professional Summary

A highly motivated and disciplined AWS Solutions Architect with a profound and extensive background in software engineering, full-stack development, and system design. Demonstrates an insatiable appetite for knowledge, having independently mastered a broad array of technologies and concepts, from cloud infrastructure and containerization to foundational design patterns and software architecture. Proven ability to rapidly absorb complex technical information and apply it to solve real-world problems. Seeking to leverage a deep understanding of modern software engineering practices to build scalable, resilient, and efficient systems.

Certifications

- **AWS Certified Cloud Practitioner**
- **Studied For:** CompTIA (A+, Tech+, Network+, Security+, Linux+, Project+, Cloud+, Cloud Essentials+), AWS AI Practitioner, Azure Fundamentals, AWS Certified Solutions Architect - Associate

Technical Skills

Category	Skills
Cloud & DevOps	AWS (Well-Architected Framework), Azure Fundamentals, Docker, Kubernetes, Terraform (IaC), CI/CD, Agile
Programming	Python, JavaScript, TypeScript, PHP, Ruby, SQL
Front-End	React, HTML5, CSS3, Figma (UI/UX Design)
Backend & Databases	Node.js, SQL (PostgreSQL, MySQL)
Architecture & Design	System Design, Software Architecture (Microservices, Monoliths), Design Patterns, Data-Intensive Applications
Development Tools	Git, Bash/CLI, Linux

Key Areas of Study & Expertise

Software Architecture & System Design

- Deep understanding of architectural fundamentals, trade-off analysis, and distributed systems, reinforced by studying "The Fundamentals of Software Architecture" (Richards/Ford) and "Software Architecture: The Hard Parts."
- Proficient in designing data-intensive applications and evolutionary architectures, informed by "Designing Data-Intensive Applications" (Kleppmann) and "Monolith to Microservices" (Newman).
- Adept at applying proven solutions to recurring problems through comprehensive study of classic Design Patterns ("Design Patterns" by Shvets, Nezteruk's course).

Cloud Computing & Infrastructure

- Certified expertise in designing and deploying scalable, highly available systems on AWS, guided by the Well-Architected Framework.
- Skilled in Infrastructure as Code (IaC) using Terraform for automated provisioning and management ("Terraform in Action").
- Hands-on knowledge of containerization and orchestration with Docker and Kubernetes through multiple in-depth courses (Schwarzmüller, Grider).

Software Engineering & Full-Stack Development

- Committed to writing clean, maintainable, and scalable code, grounded in the principles of Robert C. Martin ("Clean Code," "Clean Architecture") and David Farley ("Modern Software Engineering").
- Extensive, hands-on experience in full-stack JavaScript development, including advanced concepts, React, and Node.js, through completion of numerous bootcamps and guides (Zero to Mastery, Schwarzmüller, Traversy).
- Solid foundation in Data Structures and Algorithms using Python, essential for efficient problem-solving ("Grokking Algorithms," La Rocca's "Advanced Data Structures").

Education & Continuous Learning

A dedicated autodidact with thousands of hours invested in professional courses, bootcamps, and seminal texts across software engineering, cloud computing, and IT operations. This continuous pursuit of knowledge demonstrates a powerful commitment to mastering the craft of software development and architecture.