

ALEXANDRO BLANCO

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<https://ti3r.github.io/>

PROFILE

Senior Full Stack Software Engineer with 17 years of experience architecting and delivering end-to-end cloud solutions. Currently at Amazon, building mobile applications and backend services that power Amazon Transportation Services' middle-mile logistics network across North America, Europe, and Japan.

Deep expertise in AWS serverless architecture, mobile development (Android/iOS), and microservices. Track record of designing scalable systems processing millions of daily transactions, leading technical initiatives from concept to production, and mentoring engineering teams.

Specialized in: Cloud-native architecture (AWS Lambda, DynamoDB, API Gateway) • Mobile development (Kotlin, Swift, Jetpack Compose) • Infrastructure as Code (AWS CDK) • CI/CD automation • Microservices design

EXPERIENCE

Amazon, Minneapolis MN

Mar 2021 - Present

Software Engineer L5 | March 2021 – Present
Amazon Transportation Services (ATS)

Architect and develop end-to-end mobile and backend solutions for Amazon's middle-mile transportation network serving 50,000+ transportation partners across North America, Europe, and Japan. Key contributor on a 13-engineer team, mentoring junior engineers (50%+ of team) and driving technical decisions for services processing millions of daily transactions.

Key Achievements:

- Architect and build scalable serverless backend services using AWS Lambda, DynamoDB, and API Gateway, processing millions of daily transactions for real-time load matching, partner operations, and logistics orchestration
- Design and implement AWS CDK infrastructure with comprehensive monitoring, alarms, and automated alerts ensuring 99.9% SLA compliance across multi-region deployments
- Orchestrated migration of EU operations from Dublin to Spain, re-architecting backend services and data pipelines to ensure zero downtime and seamless transition for transportation partners
- Established CI/CD pipelines with automated testing and deployment strategies, reducing release cycle time by 40% while maintaining production stability
- Lead modernization of Relay mobile application (4.7-star rating on both app stores), migrating Android to Jetpack Compose and iOS to SwiftUI while supporting 50,000+ active users
- Support and enhance production mobile applications enabling transportation partners to discover and execute product loads across Amazon's logistics network
- Lead design reviews and technical mentorship for junior engineers through code reviews, pair programming, and architectural guidance

Technologies: AWS (Lambda, DynamoDB, API Gateway, CDK, S3, CloudWatch, EventBridge, Step Functions), Java, Kotlin, Node.js, TypeScript, Spring Boot, Android, iOS, Jetpack Compose, SwiftUI, React

ICF (Olson/Next), Minneapolis MN**Jul 2016 - Mar 2021**

Jr. Software Architect (Promoted September 2019) | Sr. Software Engineer
Tally Platform - Loyalty & Rewards Management

Led architectural evolution of enterprise loyalty and rewards platform processing millions of daily transactions for global hospitality clients including Hilton and Hyatt. Progressed from senior engineer to architect, driving modernization from monolithic architecture to cloud-native microservices.

Key Achievements:

- Architected and executed migration from monolithic application to event-driven microservices architecture using Kafka, Spring Boot, and OpenShift, enabling asynchronous transaction processing and horizontal scaling
- Designed containerized deployment strategy using Kubernetes, Docker, and Helm charts on Linux environments, reducing deployment time and improving system reliability
- Established CI/CD pipelines using Jenkins and Bamboo with automated testing (JUnit, Mockito) and code quality gates (SonarQube)
- Implemented Service Oriented Architecture following 12-Factor Application principles and enterprise design patterns
- Led cross-team coordination for platform features serving multiple enterprise clients
- Mentored junior developers through code reviews, architectural guidance, and hands-on feature development

Technologies: Kafka, Elasticsearch, Spring Boot, Microservices, Kubernetes, OpenShift, Docker, Helm, Java, Linux/Unix, Jenkins, Maven, Git

EARLIER EXPERIENCE

Perficient, Minneapolis MN | Sr. Software Engineer**Jul 2015 - Jul 2016**

Developed RESTful APIs for Best Buy financial systems and CaringBridge profile management platform using Spring Boot, Spring Data, Oracle, and MongoDB.

OLSON, Minneapolis MN | Sr. Software Engineer**Jun 2013 - Jul 2015**

Developed SOAP web services and management website for Amtrak Guest Rewards loyalty program using Spring Framework, Hibernate, Node.js, and AngularJS.

EDUCATION

Master's Degree: Information Technologies Administration | 2011
Monterrey's Institute of Technology and Superior Studies (ITESM), Chihuahua, Mexico

Bachelor's Degree: Computer Systems Engineering | 2008
Chihuahua's Institute of Technology No. II (ITCH II), Chihuahua, Mexico

LANGUAGES & GEOGRAPHIC EXPERIENCE

Languages: English (Fluent), Spanish (Native)
Professional Experience: North America (United States, Canada, Mexico)

TECHNICAL SKILLS

Cloud & Infrastructure: AWS (Lambda, DynamoDB, API Gateway, S3, CloudWatch, CDK, EventBridge, Step Functions, SQS, SNS, IAM, CloudFormation), Kubernetes, OpenShift, Docker, Helm, Linux/Unix

Backend Development: Java, Kotlin, Spring Boot, Spring Framework, Node.js, Microservices, REST APIs, Kafka, Event-Driven Architecture

Mobile Development: Android, iOS, Jetpack Compose, SwiftUI, Kotlin, Swift

Frontend Development: React, TypeScript, JavaScript

Databases: DynamoDB, PostgreSQL, MySQL, MongoDB, Elasticsearch, Oracle

DevOps & Testing: CI/CD, Jenkins, Bamboo, Maven, Gradle, Git, JUnit, Mockito, TDD/BDD

Programming Languages: Java, Kotlin, TypeScript, JavaScript, Python, Swift, SQL