Oscar Gonzalo Alasar

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Profile

Senior Full-Stack Engineer with expertise in Java, C#, Python, React JS, React Native, Angular, Azure .NET, AWS, Firebase, Express, MySQL, Mongodb, PostgreSQL, SQLite, Android, IOS, mobile app, and Microservices Architecture. Experienced in cloud-native development, CI/CD automation, serverless computing, and designing scalable, high-performance systems. Skilled at modernizing legacy applications, optimizing performance, and delivering secure, high-availability solutions across healthcare and financial services domains.

Education

Bachelor's degree in Computer science, *University of Buenos Aires*   01/2012 – 02/2016
Buenos Aires, Argentina

Professional Experience

Senior Software Engineer (Remote), *Konfio*   05/2021 – Present
Mexico city, Mexico

• Engineered a scalable, multi-tenant SaaS patient management system using Spring Boot 3, Java 17, andSpring Security for HIPAA-compliant sensitive data handling across healthcare organizations. • Implemented tenant-based isolation and advanced encryption, improving system performance by 30%.• Migrated legacy Spring MVC and JAX-RS applications to Spring Boot 3, refactoring controllers and updating DI patterns for maintainability and scalability.• Designed microservices with Spring Cloud and RabbitMQ for asynchronous messaging and real-time patient notifications.• Developed event-driven architecture using Apache Kafka and Kafka Streams, integrated with ELK Stack for log aggregation, reducing debugging time by 40%.• Built interoperability layers with HAPI FHIR for HL7/FHIR-compliant EHR data exchange.• Created gRPC-based communication between microservices with gRPC Java for low-latency calls.• Managed healthcare data using PostgreSQL with Hibernate ORM, optimized queries and caching with Redis.• Developed ETL pipelines with Apache Airflow and Python for real-time data analytics.• Led AngularJS to Angular 16 front-end migration, incorporating RxJS and modular design.• Migrated mobile apps from Xamarin to native Kotlin (Android) and Swift (iOS) apps.• Maintained SOAP services with Spring WS and Apache CXF for secure legacy integrations.• Automated infrastructure provisioning with Terraform on Azure, integrated CI/CD pipelines with Jenkins and GitHub Actions.

10Pines   09/2016 – 04/2023
Buenos Aires

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Software Engineer, *Apple*   11/2018 – 02/2021
                                                                        Buenos Aires, Argentina
• Led migration of monolithic Java Spring MVC apps on EC2 to AWS Lambda (Java 11), reducing costs by 40%.• Developed serverless order processing system using AWS Step Functions, API Gateway, and DynamoDB, improving order fulfillment speed by 55%.• Refactored monolithic REST APIs into Lambda functions using Spring Cloud Function to optimize cold starts and reduce deployment times.• Implemented event-driven workflows with Amazon SQS and SNS.• Secured APIs with OAuth 2.0, JWT, and AWS IAM roles.• Migrated databases to Amazon RDS (PostgreSQL) and DynamoDB, improving query speed by 45%.• Built real-time order tracking with Spring Boot and WebSocket.• Developed React + Redux admin dashboards.• Created cross-platform desktop app with JavaFX for warehouse teams.• Improved Spring MVC app performance using optimized Thymeleaf templates and caching.• Set up logging and monitoring with AWS CloudWatch and X-Ray.• Automated infrastructure and CI/CD using CloudFormation, Terraform, and Jenkins.• Applied SOLID principles to refactor and modularize APIs.• Employed Test-Driven Development with JUnit 5 and Mockito, reducing bugs by 35%.

Skills

- HTML, CSS, Javascript, TypeScript, React Js, Next Js, Node Js, Express Js, Laravel, PHP, Django, Mongodb, MySQL, PostgreSQL, SQLite, Vue Js React Native Redux Firebase, Tailwind, Sass, Styled Components Framer Motion, GSAP, Git Figma, Photoshop

Certificates

- AWS Certified Solutions Architect – cloud computing with Amazon Web Services

- Microsoft Certified: Azure Administrator / Developer