LEONARDO MEDINA

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Full-stack engineer with over 9 years of experience designing and delivering scalable, **cloud-native** solutions across financial services, e-commerce, and travel industries. Leading full-stack development initiatives that modernize legacy systems, enhance performance, and drive measurable business growth across multiple Latin American markets. Proven success in architecting microservice-based ecosystems and serverless applications on **AWS**, integrating secure payment systems, and enabling digital transformation for major financial institutions, including Falabella Bank (Banco Falabella), Pichincha Bank (Banco Pichincha), and Amazon Bank (Banco Amazonas).

Microservices Architecture | Cloud-based infrastructure and deployment | **CI/CD** | TDD | BDD | DDD | OOP | Design Patterns | Event Sourcing and CQRS | Logging and Monitoring | Machine Learning Integration

Languages: Java, **JavaScript,** TypeScript
Web: HTML, CSS, sass, React, Tailwind CSS, Bootstrap, jQuery, redux, rxjs
Web Services: REST, SOAP, GRAPHQL, **API** Gateway, JWT, CORS
Web/App Servers: Wildfly, Payara, **Tomcat**
Frameworks: Spring boot, **Java** EE, Nestjs, Angular, NextJs
Databases: MySQL, PostgreSQL, DynamoDb, MongoDB
SDLC: Scrum, Kanban, XP
Tools: **Docker**, Kubernetes, Postman, Git, Jira, RabbitMQ, Kafka, **SQS**, **SNS**, n8n, Chatgpt, Cursor, JUnit5, Jest, Mocha, Chai, Jest, Instana, GitLab Runner, **Docker**, Jenkins, GitLab CI, DataDog, Redis, kibana
Platforms: Linux, MacOs, windows, **AWS** Cloud
CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a Master's Degree in **Computer Science** (Available for full-time, W-2 employment).

PROFESSIONAL EXPERIENCE

Senior **Java** Engineer, GALILEO FINANCIAL TECHNOLOGIES / TECHNISYS, Quito, Ecuador — 06/2021 - 04/2025

- Migrated critical banking **microservices** from on-premises infrastructure to Azure using **Java**, NestJS, GitLab Runner, and **Docker**, improving system latency by 35% and increasing service **availability**, demonstrating expertise in **distributed systems** and **production systems**.
- Built REST **API**s with Thales Digital First and Mastercard MCI to enable secure card token provisioning into Apple Wallet using **Spring** Boot, Redis, JWT, JUnit5, and **Docker**—driving a 40% increase in mobile wallet adoption and enhancing **application design**.
- Designed and implemented a Banking Customer Service UI for managing token status and real-time card control using Angular 12, Jest, improving operational efficiency and demonstrating **strong problem-solving skills**.
- Built a full-stack refinancing solution allowing clients with loans pending to reschedule and improve their credit history using Node.js, Golang, Angular 12, Jest, Mocha, Chai, **Docker**, Jenkins, contributing to **continuous improvement**.
- Integrating SOAP-based services to retrieve real-time financial data, contributing to a 12% increase in debt recovery rate and showcasing **strong problem-solving skills**.

Technologies Used: **Java**, **Java**Script, TypeScript, Node.js, Golang, **Spring** Boot, JUnit5, Jest, Mocha, Chai, Angular 14, Jest, Instana, GitLab Runner, **Docker**, Jenkins, GitLab CI, DataDog, Redis, Kibana.

Full Stack Developer   10/2020 - 05/2021
PUBLIPROMUEVE – PPM   Quito, Ecuador

- Refactoring an e-commerce platform (Gaia), enabling Pichincha Bank (Banco Pichincha) to launch and manage custom-branded campaigns, using Golang, Nodejs, React, GraphQL, and resulting in 20% faster time-to-market for campaigns, showcasing **startup experience**.
- Developed the home delivery module integrated with Urbano Cargo, streamlining logistics and reducing delivery SLA violations by 30%, leveraging Golang and ReactJS, demonstrating **accountability** and **reliability**.
- Developed FTP-based exchange system to process customer mile redemptions, using C#, .NET Core 3, MySQL, **AWS EC2**, Eureka, Zuul, Ribbon, DDD - XUNIT, ensuring **regulatory compliance**.

Technologies Used: Golang, Nodejs, GraphQL, Mocha, Chai, React, NextJs, GraphQL, Jest, **Docker**, Kubernetes, C#, .Net Core 3, **AWS EC2**, Eureka, Zuul, Ribbon, XUnit.

Lead Software Developer	03/2020 - 09/2020
GRUPOCONTEX	Quito, Ecuador

- Led a team of 5 to modernize BanEcuador's legacy analytics system using **Java** EE, **Spring** Boot, Keycloak, WildFly, React, and Talend, improving maintainability and enabling multi-dimensional financial analysis, demonstrating **collaboration** and **sound judgment**.
- Integrated ETL pipelines, managing large-scale data transformations and reducing report generation time by 50%, using **Java** and Talend Open Studio (ETL), highlighting **continuous improvement**.

Technologies Used: **Java** EE, **Spring** Boot, Keycloak, Wildfly Server, React, Talend Open Studio

Java Developer	12/2018 - 11/2019
BAYTEQ,	Quito, Ecuador

A digital solutions company provides services to clients in the payments, fintech, insurance, health tech, and retail sectors.

- At Praxmed Healthcare, developed a cross-platform solution with responsive design and mobile encapsulation using **Java**, **Spring** Boot, WildFly, Angular, Sass, and PhoneGap, improving accessibility and user experience, demonstrating **ability to adapt**.
- At SaludSa Healthcare, collaborated in the development of REST **API**s and integrated them with Health Insurers, ensuring seamless scheduling and payment processing for medical appointments, using **Spring** Boot and MySQL, highlighting **communication skills**.
- Managed **CI/CD** pipelines using GitLab Runners, optimizing deployment processes and ensuring efficient and reliable software delivery, demonstrating Devops practices.

Technologies Used: **Java**, **Spring** Boot, WildFly, MySQL, Angular 8, Sass, PhoneGap.

FullStack Developer	08/2014 - 11/2018
GALAPAGOS TRAVEL CENTER	Quito, Ecuador

Galapagos Travel Center offers a wide range of cruises in mainland Ecuador.

- Built Galavail, a scalable cruise-management platform for 9–70 ships in the Galapagos, supporting scheduling and resource allocation with **Java** EE, Angular, MySQL, Postgres, and Payara, ensuring **scalability** and **reliability**.
- Designed and delivered CRM and web applications in PHP and MySQL for customer management and booking, contributing to an estimated 15% increase in customer retention, demonstrating **accountability**.

Technologies Used: **Java** EE, Angular, MySQL, Payara Server, Postgres, PostgreSQL, MongoDB.

BackEnd Developer	11/2023 - 05/2024
VistusProject,	Quito, Ecuador

Helping organizations enhance their technological capabilities and drive success.

• Architected and developed a comprehensive solution (Utransfer) consisting of 14 **microservices** for processing online payments, enabling seamless international money transfers to and from Ecuador, showcasing Microservices Architecture and **application design**.

• Implemented a serverless architecture using **AWS** Cloud services, including Lambda, **API** Gateway, **SQS**, **SNS**, and **DynamoDB**, ensuring **scalability**, high **availability**, and cost-efficiency, demonstrating expertise in **AWS** Cloud and Distributed Systems.

• Managed the end-to-end development lifecycle, from requirements gathering to deployment, ensuring timely delivery and adherence to best practices in cloud computing and **security**, highlighting Devops and **CI/CD** principles.

Technologies Used: TypeScript, **API** Gateway, **SQS**, **SNS**, **DynamoDB**, Lambda, **S3**, Serverless Framework.

EDUCATION

Master of Science in **Computer Science** (In progress via distance education; expected completion 12/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Algorithms, Software Engineering, Enterprise Applications, Software Architecture

Bachelor's Degree in Software Engineer

Salesian Polytechnic University, Quito, Ecuador (06/2017)