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Professional summary

Proactive software developer and architect with 10+ years of experience designing and delivering scalable software systems. Strong background in full-stack development, microservices, and cloud-native architectures, with hands-on experience integrating AI and LLM-based capabilities into backend platforms and workflows. Focused on building secure, efficient, and business-driven solutions while promoting agile practices and continuous delivery.

Education

Bachelor's degree in Electronic and Telecommunications
Telematics Specialist

University Of Cauca, Colombia - 2016.

Technical skills

- Agile Methodologies: Scrum, Kanban, Lean.
- Programming Languages: Java, PHP, Python, Node.js, JavaScript (ES6+), HTML, CSS.
- Frameworks & Libraries: Laravel, Symfony, Angular, React, Vue.js, Grails, Ionic, Capacitor
- API & Integration: REST, SOAP, OAuth2.0, SAML2.0, JWT.
- Backend Architecture: Microservices Architecture, Hexagonal Architecture, Serverless Systems.
- Frontend Architecture: Microfrontends, Atomic Design Systems.
- Software Design & Quality: Design Patterns, Domain-Driven Design (DDD), Test-Driven Development (TDD), Behavior-Driven Development (BDD).
- Relational DB: MySQL, PostgreSQL, Oracle, Stored Procedures
- NoSQL & Search: DynamoDB, OpenSearch, Elasticsearch
- Cloud Computing: AWS: EC2, Lambda, S3, RDS, API Gateway, CloudFront, DynamoDB. GCP.
- DevOps & Infrastructure: Docker, Kubernetes, CI/CD Pipelines, Linux & Windows Shell Scripting, Git.
- Analytics & Tracking: Firebase Analytics, GA4, Google Tag Manager, Tealium.
- AI & LLM Engineering:
  - LLM Frameworks & Orchestration: LangChain, LangGraph, AI Strands.
  - AI Agents & Workflows: LLM Agents Design, Tool Calling, MCP, n8n.
  - Cloud AI: Amazon Bedrock, Amazon Q Developer.
  - AI System Design: Prompt Engineering, RAG, Context Management.

Experience

- ✓ 2015-2016: Software Developer at Agilcon SAS Bogotá D.C.
- ✓ 2016-2017: Software Developer at Makrosoft Ltda. Popayán.
- ✓ 2017-2020: Senior Fullstack at PCW Ditech Integradores Tecnológicos S.A.S. Cali.
- ✓ 2020-2022: Software Architect at PCW Ditech Integradores Tecnológicos S.A.S. Cali.
- ✓ 2022-2023: Senior FrontEnd Engineer: AVAL Digital Labs at Metrocuadrado.com Bogotá D.C.
- ✓ 2023-2025: Digital Architect: AVAL Digital Labs at Metrocuadrado.com Bogotá D.C. (current).

Key Achievements

- ✓ **Led the digital transformation of the Metrocuadrado.com App to a hybrid cross-platform solution**, leveraging a Microfrontend architecture to significantly enhance customer contactability, an essential business feature, resulting in a 30% increase in key revenue streams.
- ✓ Designed and deployed scalable serverless applications on AWS, achieving cloud cost optimization of 30%.
- ✓ Enhanced software quality through the implementation of CI/CD pipelines and automated testing in scalable environments.
- ✓ Mentored multiple teams in adopting best practices for agile and DevOps methodologies.

Certifications & Training

- ✓ *AWS Partner: AWS Cloud Practitioner Essentials* at Amazon Web Services 2022.
- ✓ *AWS Partner: Accreditation (Technical)* at Amazon Web Services 2022.
- ✓ Java Professional at CodigoFacilito.com.
- ✓ 🔗Angular Components and Services at Platzi.com.
- ✓ 🔗Webpack Course at Platzi.com.
- ✓ 🔗EF SET Certificate | B2 Upper Intermediate