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PROFESSIONAL SUMMARY

Senior Full-stack developer with expertise in architecting and delivering scalable web applications. Demonstrated track record in:

- Streamlining development workflows through implementation of CI/CD pipelines and containerized deployments
- Optimizing system performance through advanced database queries and frontend rendering techniques
- Delivering complex projects focusing on geospatial analysis and real-time data processing
- Implementing best practices in code quality and technical documentation

Core Competencies

- Full-Stack Development Architecture & Implementation
- Cloud-Native Solutions & DevOps Practices
- Geospatial Systems & Real-time Data Processing
- Performance Optimization & Scalable Systems Design

EXPERIENCE

Full-stack Developer

ByteLabyrinth

September 2021 - Present, Spain · Remote

- Architected and implemented cloud-native solutions to improve deployment efficiency
- Established coding standards and review processes to enhance code quality
- Implemented modern loading techniques and performance optimizations
- Designed robust infrastructure focusing on system reliability and maintainability
- Led technical discussions and code reviews to ensure project quality

Full-stack Developer

Orbital EOS

September 2023 - October 2024, Paterna, Valencian Community, Spain (Remote)

- Architected and developed a sophisticated frontend interface for pipeline leak detection
- Designed and implemented interactive dashboard with real-time metrics
- Engineered advanced mapping functionality and geospatial features
- Developed robust filtering system for large datasets
- Implemented real-time updates and bidirectional communication
- Optimized application performance through efficient state management

NOTABLE PROJECTS

Terra - Advanced Pipeline Leak Detection and Monitoring System

Full-Stack Developer

- Engineered real-time dashboard with complex data visualizations
- Implemented advanced mapping functionality for geographical analysis
- Developed comprehensive filtering system for complex data
- Optimized database queries for high-performance data retrieval

ByteLabyrinth: Custom Web Development Solutions Platform

Team Lead & Principal Developer · github.com/tandemresistentia/ByteLabyrinth

- Built comprehensive service automation platform
- Implemented secure payment processing system
- Developed real-time collaboration features
- Created intuitive project management dashboard

Doneminder - Your Ultimate Task Management Solution

Full-Stack Developer · github.com/tandemresistentia/doneminder

- Developed comprehensive task management system
- Implemented real-time updates and notifications
- Created intuitive user interface with React
- Established efficient documentation system

Footfab - Digital Footwear Retail Solution

Full-Stack Developer • github.com/tandemresistentia/Footfab

- Built modern e-commerce platform
- Implemented secure authentication system
- Developed inventory management system
- Created responsive design for all devices

SwimTrackt: Enhancing Swimming Fitness Tracking

Full-Stack Developer • github.com/tandemresistentia/Swimming-Fitness

- Developed comprehensive fitness tracking system
- Implemented IoT device integration
- Created performance visualization dashboard
- Engineered real-time data processing pipeline

CERTIFICATIONS

Cloud & DevOps

- AWS Cloud Technical Essentials - Amazon Web Services (AWS) - LWKNZBCCPJBE
- Introduction to Docker: Build Your Own Portfolio Site - Coursera - 57NKSS7JXXRC
- Architecting with Google Kubernetes Engine: Foundations - Google - JZPZ5BL94LBT
- Introduction to Microsoft Azure Cloud Services - Microsoft - W7E6AYZEQ84H

Frontend Development

- Advanced React - Meta - E5ZHRZNNMEJG
- Single Page Web Applications with AngularJS - Johns Hopkins University - 034GRCVIJYPC
- Fundamentals of VueJS - Board Infinity - F8CSPEO6K5L6
- Advanced Styling with Responsive Design - University of Michigan | Coursera - ERHNJPEYEA2P
- Introduction to HTML Coursera Project Network - Coursera - HQMNAD4ZKTL5

Backend Development

- Building Scalable Java Microservices with Spring Boot and Spring Cloud - Google - RM6G5UWG1M4P
- Developing Back-End Apps with Node.js and Express - IBM - 5Z32KD4SGG88
- Advanced Django: Advanced Django Rest Framework - Codio - MJKJH5FSSF8K
- Advanced Django: Building a Blog - Coursera - JWVEQ9KZDFDA
- Backend Development using ASP.Net - Board Infinity - 5XHX96IXSMQW
- ASP.NET for Experienced Developers Specialization - Board Infinity - 1JKVEPLTFR9R
- C# for .NET Developers - Board Infinity - MTNC59B72L47
- Microservices and Deployment by using ASP.NET - Board Infinity - 8OT9YBRCTEPP

Database & Python

- Database Design and Basic SQL in PostgreSQL - University of Michigan | Coursera - XFYH2N2PCARU
- Python Classes and Inheritance - University of Michigan | Coursera - L6U2TWE6MJ3H
- Testing and Debugging Python - Coursera - RHKQ6TDBMBTM
- Storing, Retrieving, and Processing JSON data with Python - Coursera - UTHS44XE5XG6
- Python Basics University of Michigan - University of Michigan | Coursera - 3A7BXW3FNY5U

Leadership & Methodologies

- Agile Leadership Specialization - University of Colorado Boulder - EI1ZG7UQHFY1
- Agile Leadership Capstone - University of Colorado Boulder - CS0ER5BZI34V
- Agile Leadership: Introduction to Change - University of Colorado Boulder - R44ZOKU6HZG
- Developing an Agile Team - University of Colorado Boulder - 46WELWHVQONC
- Agile Leader Training - University of Colorado Boulder - 4LFZJQYOJ6EF
- Agile Organization - University of Colorado Boulder - KELDADYBo8Y6

Data Science

- Data Scientist (2021 version) Career Path - Codecademy - Science
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SKILLS

Programming Languages & Core Technologies

- JavaScript/TypeScript, Python, Java, C#
- HTML5/CSS3, Git, REST APIs, GraphQL

Frontend Technologies

- Frameworks: React (Redux, Router), Angular (NgRx), Vue.js (Vuex)
- Libraries & Tools: Bootstrap, RxJS, Material UI, TailwindCSS
- Skills: State Management, PWA, WebSockets, Performance Optimization, Cross-browser Compatibility

Backend Development

- Node.js/Express.js, Spring Boot, Django, ASP.NET, Hibernate
- Microservices Architecture, API Security, Server-side Rendering
- Authentication/Authorization, WebSocket Services

Database & Data Management

- SQL: PostgreSQL, MySQL
- NoSQL: MongoDB
- Skills: Query Optimization, Schema Design, Data Modeling, Connection Pooling

Cloud & DevOps

- Platforms: AWS (IAM, Security), Azure, GCP
- Tools: Docker, Kubernetes (GKE), Git/GitHub, Maven
- CI/CD, Infrastructure as Code, Container Orchestration

Development Practices & Architecture

- Test-Driven Development (TDD), Unit Testing
- Clean Architecture, Design Patterns, Code Review
- OOP, API Development, Documentation

Specialized Skills

- Data Analytics: Data Science, Visualization, Real-time Analytics
- Geospatial: Interactive Mapping, Location Services, AOI Tools
- Real-time Systems: Event-Driven Architecture, Bidirectional Communication

Methodologies & Management

- Agile Development, Scrum, Kanban
- Project Planning, Risk Management
- Technical Documentation, Team Collaboration

Languages

- Spanish (Native)
- English (Professional working proficiency)