JEAN CARLOS OBANDO CORTÉS

FULL STACK SOFTWARE DEVELOPER

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Full Stack Developer with +3 years of experience creating high-performance web and mobile applications. Specialized in Python, C# .NET, JavaScript, and Java, with solid knowledge in frontend and backend architectures. Self-taught professional passionate about continuous learning and implementing scalable and maintainable software solutions. Proven experience in RESTful API development, Docker containerization, and agile methodologies. Looking to apply my technical expertise and problem-solving skills to create innovative technological products within a top-tier development team.

PROFESSIONAL EXPERIENCE

Freelance Software Developer   **Guanacaste, Nicoya, Costa Rica**
                                                                    August 2020–Actualidad

Design, development, and deployment of custom software solutions with emphasis on clean architectures and best practices:

BusinessManagement: Enterprise Management System

- Developed a complete CRUD application for client, product, sales, and inventory management implementing Clean Architecture
- Implemented JWT authentication and role-based authorization system to ensure information security
- Deployed the solution with Docker containers, reducing implementation time by 60% and facilitating scalability
- Designed and implemented SQL Server database with migrations and data seeding to facilitate deployment and testing

GameManagementPlatform: Game Management Platform

- Created a complete RESTful API with ASP.NET Core 8.0 and Entity Framework Core for multiplayer game administration
- Implemented real-time communication with SignalR for game statistics and notifications, improving user experience
- Extensively documented the API using Swagger, facilitating integration with third-party systems
- Rigorously applied SOLID principles and design patterns to create a highly maintainable and extensible architecture

Real-Time Resource Monitoring Dashboard

- Developed a full-stack solution for real-time resource monitoring using React, Python (Flask), and observability technologies
- Integrated Grafana, Prometheus, and Redis to create an advanced monitoring system with customizable alerts and visualizations
- Implemented a containerized microservices architecture that improved system performance by 45%
- Optimized data collection and processing, achieving real-time visualizations with less than 200ms latency

Technologies used: React, Next.js, Node.js, Express, Django, Flask, .NET Core, MongoDB, PostgreSQL, Docker, Git, CI/CD, React Native

Intel	**Heredia, Belen, Costa Rica**
Manufacturing Operator	*October 2023–December 2024*

- Participated in the assembly process of cutting-edge processors, applying technical rigor and attention to detail
- Collaborated with software and hardware engineers to improve quality control processes
- Implemented improvements in technical documentation that reduced manufacturing errors by 12%
- Used production tracking and data analysis tools to monitor production KPIs

Skills developed: Data analysis, technical documentation, interdisciplinary teamwork, complex problem-solving

EDUCATION AND TRAINING

Full Stack Development | Self-taught   *2020-Present*
- +1,500 hours of learning in Python, JavaScript, C#, Java, and their frameworks
- Completed more than 30 specialized courses on Udemy, Platzi, and freeCodeCamp

Front-end Web Developer | One-Oracle Next Education   *August 2022 - February 2023*
- Intensive frontend development program with HTML, CSS, JavaScript, and React
- Development of 3 practical projects implementing agile methodologies

Azure Cloud Computing | INA - Microsoft   *April 2022 - July 2022*
- Certifications in AZ900 and DP900
- Implementation of PaaS, IaaS, and SaaS solutions

Systems Engineering | UACA Pacific North Campus (incomplete)   *2017 - 2019*
- Completed 6 quarters focusing on programming fundamentals and databases

Technical Degree in Business Computing | CTP Corralillo de Nicoya   *2012 - 2015*
- Technical training in computer systems, networks, and technical support

TECHNOLOGIES AND SKILLS

- **Programming Languages:** Python, JavaScript, C#, Java
- **Frameworks and Libraries:** React, Node.js, Express, Django, Flask, .NET Core, Spring Boot
- **Databases:** MySQL, PostgreSQL, MongoDB, SQL Server
- **Development Tools:** Git, GitHub, VS Code, Visual Studio, Postman, Azure DevOps
- **Containerization and DevOps:** Docker, Docker Compose, CI/CD
- **Methodologies:** Agile, Scrum, TDD, Clean Code
- **Operating Systems:** Windows, Linux, MacOS
- **Cloud:** Azure, AWS (basic concepts)
- **Languages:** Native Spanish, English B2 (Upper Intermediate)