DIEGO BOTINA

Software Engineer

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with demonstrated expertise in system design, software architecture, and full-stack development. Strong foundation in object-oriented programming, relational databases, and clean architecture principles (SOLID, design patterns). Proven ability to deliver high-quality software solutions with emphasis on user experience and real-world problem-solving. Currently pursuing Bachelor's degree in Software Engineering with concentration in System Design and Architecture. Track record of academic excellence, including top-of-class graduation and highest national standardized test scores.

EDUCATION

Bachelor of Software Engineering | Expected 2027

Jala University • *Online*

Concentration: System Design and Architecture

- Completed 8+ capstone projects demonstrating expertise in software architecture, design patterns, and enterprise application development
- Specialized in SOLID principles, design patterns, clean architecture, and scalable system design
- Notable projects include TopVision (3D analysis with computer vision), collaborative management systems, and educational algorithm visualizers
- Maintained strong academic performance while consistently applying theoretical knowledge to practical, production-ready solutions

Technical Certification in Software Development | 2024

Discenter's • *Guadalajara de Buga, Valle del Cauca*

- Graduated with honors from comprehensive technical program, establishing strong foundation for professional software engineering career
- Mastered computer architecture, networking fundamentals, hardware/software integration, and system maintenance
- Developed expertise in object-oriented programming (OOP), relational database design, SQL optimization, and data modeling
- Executed complete desktop application development lifecycle: requirements analysis, design, implementation, testing, and deployment

- Established systematic methodology for technical troubleshooting, debugging, and performance optimization

Technical Certification in Tourism Management & Technology | 2024

SENA (Servicio Nacional de Aprendizaje) • *Guadalajara de Buga, Valle del Cauca*

- Earned technical certification through partnership between educational institution and Colombia's national training service
- Specialized in Local Tourism Operations Management, High-Level Customer Service, and Experience Design
- Developed expertise in Sustainable Tourism Development, Event Organization, and Tourism Experience Management
- Enhanced technical profile with emphasis on User Experience (UX) principles applicable to software product development
- Deepened understanding of Colombian Cultural Heritage, strengthening connection with Valle del Cauca's regional identity

High School Diploma with Agricultural Technician Title | 2024

Institución Educativa Nuestra Señora de Fátima - LE NUJ-SEFA • *Guadalajara de Buga, Valle del Cauca*

- **Graduated valedictorian with highest national ICFES standardized test score recognition in institution**
- Earned dual credentials: High School Diploma and Agricultural Technician certification, demonstrating versatility and academic rigor
- Recognized for outstanding academic performance, maintaining highest grades throughout secondary education
- Awarded for exemplary leadership, perseverance, and significant contributions to institutional community

TECHNICAL SKILLS

Core Programming & Development

Object-Oriented Programming (OOP) • Software Architecture & Design Patterns • SOLID Principles • Clean Architecture • Desktop Application Development • Full-Stack Development • Algorithm Design & Optimization • Code Review & Quality Assurance

Data Management & Systems

Relational Databases • SQL Optimization • Data Modeling • Database Design • Computer Architecture • Networking Fundamentals • System Design • Distributed Systems • Computer Vision (TopVision 3D) • Performance Optimization

Software Engineering Practices

User Experience (UX) Design • Requirements Analysis • Technical Documentation • Testing & Debugging • Systematic Troubleshooting • Hardware & Software Maintenance • Agile Methodologies • Version Control • Code Refactoring

Professional Competencies

Leadership & Team Collaboration • Project Management • Problem-Solving & Critical Thinking • Client Communication • High-Level Customer Service • Adaptability • Continuous Learning • Time Management • Cross-functional Collaboration

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Getting Started with Numpy

Trading Study | AWS Educate • *March 2023 - December 2023*

LANGUAGES

Spanish: Native   •   **English:** Intermediate (Spanish Native)

Nationality: Colombian • *Date of Birth: February 1, 2007*