ALEJANDRO COLIN

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PROFESSIONAL SUMMARY

Results driven individual with experience in Development and Operations management. Skilled in Java, Python and JavaScript, with strong leadership experience managing large teams and optimizing complex systems. Proficient in problem-solving and process improvement, leveraging technical skills and leadership experience to drive operational efficiency.

AREAS Of EXPERTISE

- Full Stack Development
- React & React Native
- Java & JavaScript Programming

- Database Management
- Team Leadership
- Project Management
- Agile Methodologies

- System Optimization
- Cloud Technologies
- UI/UX Design
- Performance Testing

- Technical Documentation

CAREER HIGHLIGHTS

- Developed and launched multiple applications using Java, JavaScript, React Native, React.js and Firebase
- Implemented Agile Methodologies as a Scrum Master while developing TimeOn- Scheduling application.
- Led and mentored teams of over 250+ members while driving operational excellence and process improvements

PROFESSIONAL EXPERIENCE

Operations Full-Time Supervisor (Area Manager), Six Flags Magic Mountain | Valencia, CA | April 2016 - Present

- Oversee front gate operations including digital ticketing systems, guest services, and multiple specialized departments. Lead cross-functional teams, implementing technical and problem-solving solutions to improve operational processes. Supervise and optimize operations across 10+ guest service divisions including digital ticketing systems and CRM platforms. Implement and maintain Salesforce CRM solutions, streamlining guest experience data collection and analysis. Utilize data-driven decision-making, analyzing operational metrics and guest satisfaction data. Manage digital communication channels, internal publications and training programs

Freelance Developer, Mission Hills, CA | August 2021 - Present

- Developed mobile and web applications, focusing on scalable and efficient solutions.
- Built cross-platform applications, implemented complex algorithms, and developed user-centric interfaces.
- Strong foundation in Java, JavaScript, C++, Python and C#, with experience in database management and UI/UX design.
- Experience with version control systems (Git) and Agile development methodologies (Jira & Scrum).

Notable Projects

- TimeOn-Scheduling Application
  - Built a mobile and web scheduling system using React Native and React.js
  - Implemented real-time synchronization with Firebase Services.
  - Developed custom hooks for state management and authentication.
- Airline Reservation System
  - Engineered comprehensive database architecture for flight bookings and user data management.
  - Developed a user-friendly GUI in Java Swig, enabling efficient booking management.
  - Implemented secure authentication systems for passenger and admin access
  - Designed a reporting system for tracking sales analytics and flight logs.
- Connect 4 AI
  - Developed an AI opponent using the minmax algorithm with alpha-beta pruning for optimal move selection
  - Implemented Best First Search with priority queue optimization
  - Designed a heuristic evaluation system for analyzing board states and efficient win detection algorithms.
  - Utilized object-orient principles to ensure structed and scalable game logic.
- RTS Game Development
  - Designed a state machine system for handling game modes and user interactions.
  - Integrated *A pathfinding* using Unity's NavMesh for real-time unit movement
  - Developed a modular combat system with particle effects and dynamic damage calculations.
  - Built a resource management system, ensuring strategic gameplay mechanics and building placement validation.