

# MARK ALTENBERND

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## TECHNOLOGY LEADER

Senior technology leader and innovator with significant experience in the development and implementation, end to end, of Web-based and blockchain applications. Successful track record in leading numerous projects across multiple industry segments, identifying business opportunities and then designing and creating appropriate applications that capitalize on those opportunities. Combines a broad liberal arts foundation with deep technology training and experience in requirements definition, application design and development, process optimization, business development, and financial analysis and modeling. Strong communication skills and academic credentials. Recently built a prototypical Ethereum ÐApp using the Transparent Contract (ERC-1538), Non-Fungible Token (ERC-721), and Standard Interface Detection (ERC-165) specifications.

### Key Strengths include:

#### STRATEGIC ACCOUNT MANAGEMENT

- Worked with clients to define their complex business processes and problems
- Developed and deployed technology solutions to improve efficiency
- Initiated and maintained relationships with account client executives

#### SOLUTIONS ARCHITECTURE / DATABASE DESIGN

- Designed, developed and delivered applications built on multiple platforms, including Oracle and MS SQL Server systems
- Conceived, designed, and built a SPA SaaS streaming video application using a mix of server platforms

#### PROGRAMMING

- Implemented numerous projects in multiple languages, including JavaScript frameworks and libraries, application-tier servers, and data-tier servers
- Current focus on JavaScript, blockchain, Ethereum, Solidity, and non-fungible tokens

#### FINANCIAL SERVICES SME

- Designed and built a corporate loan pricing optimization system
- Designed and built commercial banking corporate account profitability system
- Member of Editorial Board of Bank Asset and Liability Management newsletter

#### OPERATIONS

- Assembled and managed *ad hoc* project teams
- Strong background in systems and process optimization

## PROFESSIONAL EXPERIENCE

### **BlockchainCT Committee**

#### **Committee Member**

**2019 - 2021**

Hartford CT

- Joined this *ad hoc* committee whose goal is to facilitate the introduction and use of blockchain technology among participants in the insurance industry in Connecticut. Served on the Talent Development and Ecosystem subcommittees.

### **ALTENBERND CONSULTING**

#### **Founder/Consultant**

**2001 - 2020**

San Rafael, CA

- Founded consultancy to provide Web based application development and implementation services with a primary focus on the front-end user experience but spanning the application end-to-end.
- Successfully completed numerous projects with companies such as Kaiser Permanente, Viscira, FastPitch Video Services, eBay and Amazon. For more information, please see [www.Aaltenbernd.com](http://www.Aaltenbernd.com).
- Developed using many different languages, tools and technologies (see list at end of this resume)

**BAY AREA APP DEV USER GROUP Organizer & Manager****1999 - 2012**

San Francisco, CA

- Organized and managed Web application-centered technical user group
- Recognized by Adobe and Macromedia as a Community Leader

**MICROMEGA SYSTEMS****Practice Manager****1999 - 2001**

Corte Madera, CA

- Formed and managed a profitable consulting practice to build database-enabled Web applications
- Managed multiple concurrent development projects involving small cross-functional teams
- Performed project definition and sales

**AT&T LABORATORIES****C-Band Technology Consultant****1994 - 1999**

San Jose, CA

- Lead Oracle database architect for several three-tier Web apps
- Used visual design tools Visio and PowerDesigner for conceptual and physical database design
- Designed and programmed APIs as PL/SQL packages of stored procedures
- Built and maintained multiple instances of Oracle on a Unix-based Sun SparcStation
- Performed due-diligence evaluation of software packages prior to investment in company

**PROFIT MANAGEMENT ASSOCIATES Principal****1980 - 1994**

San Rafael, CA

- Self-employed information technology consultant to executive managers in commercial banks
- Managed a variety of technology projects, using a mix of client, contract, and vendor employees
- Built and maintained a sophisticated banking model with an SQL interface to a relational database
- Member of Editorial Board of Bank Asset and Liability Management Newsletter
- Technical Advisor to MicroBanker Newsletter

**CROCKER NATIONAL BANK****Vice President****1976 - 1980**

San Francisco, CA

- Formed and managed a group of professional bankers to analyze the profitability of commercial loans
- Designed and built the multi-period financial models that performed the analyses
- Reported results weekly to bank's Vice Chairman and Chief Credit Officer

**FIRST NATIONAL BANK OF CHICAGO Information Technologist****1967 - 1976**

Chicago, IL

- Chief information technologist for the Chairman and other executive officers
- Developed proficiency in mainframe programming and database applications
- Provided rigorous financial analysis to the EVP in charge of the Corporate Banking Division
- Developed a global competitive intelligence network
- Sponsored by the bank in pursuit of an MBA degree

**EDUCATION****MBA, Finance**

University of Chicago, Booth School of Business

**BS, Motion Picture Production**

Northwestern University, School of Communication

**Proficiency with:**

Application &amp; Solution Architecture

Business Process Analysis

Data Modeling

Database Design

Project Team Leadership

Oracle -SQL Server

HTML5

CSS3

JavaScript

Blockchain / Ethereum / Solidity

Non-Fungible Tokens (NFTs)

Bootstrap

JSON / XML

Single-Page Apps (SPA)

Git / GitHub

OOD / OOP

REST API

SDL