

Robert Kennedy

(720) 384-6454 cell • rek@gorok.biz • www.linkedin.com/in/robert-kennedy-it-dev • github.com/rek-65

Senior Software Engineer & Systems Architect

***Designing and Modernizing Enterprise Applications,
Integration Platforms, and Distributed Systems***

Senior Software Engineer and Systems Architect with extensive experience **designing enterprise applications, systems integration solutions, and large-scale distributed platforms**. Proven success **modernizing legacy environments, leading enterprise application transformations, architecting scalable integration solutions, and delivering business-critical systems** across manufacturing, analytics, telecommunications, and enterprise software environments. Recognized for **solving complex technical challenges, integrating disparate systems, improving operational efficiency, and delivering reliable solutions** that support long-term business growth.

Core Expertise

- **Enterprise Applications, Solution Architecture & Software Architecture**
- **Systems Integration & Distributed Architecture**
- **Legacy Modernization & Platform Transformation**
- **Enterprise Data Platforms & Analytics**
- **Technical Leadership & Engineering Standards**
- **Technical Recovery & Root Cause Analysis**

Professional Experience

MESH Food Labs

06/2008 – 06/2024

Director of Software Engineering & Systems Architecture

- Architected and developed a **multi-user Java/MySQL enterprise application** serving as the company's central platform for product lifecycle management, operational data management, reporting, and business process integration.
- Defined **system architecture, technology strategy**, and software standards while delivering scalable solutions supporting development, manufacturing operations, and enterprise reporting.
- Directed implementation of the U.S. test-market rollout for Danone France specialty pudding products, designing and scaling operational processes that **increased production capability to 400% of the original market plan**.

I-Behavior

01/2007 – 05/2008

Lead Software Architect

- Lead Architect for **complete modernization** of a consumer analytics and market optimization platform; recruited to design the system architecture, build the engineering team, and deliver end-to-end implementation using Java, C#, C++, and PL/SQL.
- Architected and implemented a distributed, **multi-tier enterprise data platform with a 5+ TB Oracle and SQL Server data warehouse**, including data marts, stored procedures, and star schema modeling.
- Led migration from legacy COBOL mainframe systems to distributed Unix-based architecture, **delivering in 16 months versus an 18-month target and 15% under budget**.

Education

The University of New Mexico Bachelor of Business Administration in Management Information Systems

Certifications

- **Relational Database Certification, PostgreSQL**, freeCodeCamp, Issued February 2024
- **Foundational C# with Microsoft, MS Visual Studio**, freeCodeCamp, Issued March 2024
- **JavaScript Algorithms and Data Structures**, freeCodeCamp, Issued April 2024
- **Responsive Web Design**, freeCodeCamp, Issued March 2024
- **Oracle Certified Engineer** - Oracle University
- **Database Administration, Stored Procedure Tuning, SQL Performance Administration** - Sybase Technical Training
- **Itanium Based Architecture, J2EE Programming in WebLogic 8.1, Oracle9i Database Administration, Project Management** - Learn@HP Training
- **MSSQL Administrator Training** - Microsoft Technical Training

Current Projects

Yahtzee Game Engine (Kotlin) – github.com/rek-65/YahtzeeGameEngine-KMP

- Architected a platform-independent, UI-agnostic engine with clean API boundaries supporting multiplayer state management and deterministic scoring logic
- Designed modular, testable architecture with separation of concerns, enabling reuse as a backend-style service layer
- Implemented validation and rule enforcement ensuring data integrity under concurrent state conditions
- Built as a fully platform-agnostic core validated across Android, Linux, and Windows with no platform-specific dependencies

Yahtzee Cross-Platform Application (Kotlin, Jetpack Compose) – github.com/rek-65/Yahtzee

- Developed an Android client integrating with a custom engine through defined interfaces and API-style communication patterns
- Implemented reactive, state-driven UI with optimized performance and efficient state management
- Integrated a fully shared platform-agnostic engine with minimal platform-specific UI layers across Android, Linux, and Windows

Technical Proficiencies

Languages: Java, C#, C++, JavaScript, Python, PL/SQL, SQL

Databases: Oracle, SQL Server, MySQL, PostgreSQL, Sybase

Architecture: Enterprise Applications, Systems Integration, Distributed Systems, Legacy Modernization, Platform Transformation

Platforms: Linux, Windows, Android

RECENT PROFESSIONAL EXPERIENCE

Automation Support Analyst - Contract, Walmart (08/2024–08/2025)

Contract Mathematics Instructor, Birdville ISD (09/2025–CURRENT)