

BILL HERRON

AS/400 ARCHITECT, DEVELOPER AND TEAM LEADER

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PROFESSIONAL SUMMARY

Accomplished technical architect and software developer offering over 20 years of experience in comprehensive design, development and implementation of infrastructure and architecture for data communications projects and highly integrated business applications. Broad experience in both legacy systems and cutting-edge cloud implementations. Seasoned team leader who possesses both excellent technical and interpersonal skills, capable of working with geographically diverse teams to deliver complex systems within expected time frames.

EXPERIENCE

JANUARY 2022 – TO PRESENT

INDEPENDENT CONSULTANT, ZANDEN TELEKOM

Post-pandemic, relaunched Zanden as an independent consultancy. Specialized in AS/400 data communications integration and general application development.

JANUARY 1991 – 2021

PRINCIPAL, ZANDEN COMMUNICATIONS

As a principal and technical architect for Zanden Communications, worked with a variety of clients in a number of different industries:

GAMING PAYMENTS

Technical architect and hands-on developer for large payment processor who decided to enter the gaming payments market and offer both check and card payment services to brick and mortar and iGaming operators. This was a long-term project and resulted in the customer becoming the country's largest provider of check services in the casino industry.

BANKING AND FINANCE

Provided communications integration and programming services to a large San Francisco bank that was implementing a new Broker Dealer system. As a member of an IBM-led team, the system was successfully delivered on-time despite the complexity of the technical solution.

PHARMACEUTICAL DISTRIBUTION

Provided communications integration design, architecture, and programming services to a large pharmaceutical distributor that was modernizing their ordering system and creating real-time interfaces for their customers. Modified the order interface design and back-end systems to accommodate rapidly changing requirements as the company went through mergers, warehouse consolidations, outsourcing, and eventual migration to an SAP-based fulfillment system.

MANUFACTURING

Worked with several prominent US-based manufacturers to design and implement updated host interfaces for sales and ordering systems as their back-end systems were converted from custom-written to packaged software solutions. In all cases, the improved systems increased customer satisfaction and allowed real-time, two-way exchanging of order and inventory data.

EDUCATION

MBA, FINANCE

Southern Illinois University, Carbondale, IL

TECHNICAL QUALIFICATIONS

- **Hardware Platforms and Environments**
 - Extensive (20+ years) experience with IBM iSeries and AS/400.
 - Hands-on experience with AWS and DigitalOcean Cloud infrastructure setup and maintenance, including AWS logging frameworks (Sumo Logic, PaperTrail)
 - Knowledge and familiarity with Windows and Windows Server, including IIS and SQL Server.
 - Experienced with the Bluetooth stack on Android, Flutter and Windows.
 - Working knowledge of IOT systems, including Android Things and STM32duino.
- **Computer Languages**
 - RPG/COBOL and IBM CL
 - Java and Java/Android SDK/Gradle
 - VB.NET and C#
 - JavaScript/Node.js
 - Flutter
 - R Language
- **API Development**
 - Swagger/SwaggerHub
 - OpenAPI Specification
 - Redoc API Documentation Software
- **Software Frameworks**
 - ElasticBeanstalk (AWS)
 - .NET Framework
 - Flutter/Dart
 - Corona SDK (mobile)
- **Statistical Computing and Visualization**
 - R/RStudio
 - R Shiny Dashboards
 - Tableau
- **Secure Coding**
 - Knowledge of EMV and PCI requirements for payment applications
 - iSeries and AS/400 Encryption API's

SKILLS

- Skilled at working with Sales and Operations to find unique technical solutions to complex business problems. Includes new product development, building prototypes, iterative development with small teams, etc.
- Adept at researching and mastering new technologies, and at determining if new technologies are appropriate for new projects. Am capable of showing good judgment in abandoning a technology if it proves to be inadequate for the task at hand and before investing large sums in its adoption.

- Good hands-on coder if resources or schedules are tight, but more than willing to let others do the technical work when staffing allows. Practiced at letting team members do their job, and staying out of their way.
- Proficient in the use of API-first technologies such as Swagger, and at implementing sets of business transactions in easy to use but comprehensive designs.
- Experienced in using Data Science tools such as R/RStudio to gain business insights from existing data. Also knowledgeable in the use of Data Visualization tools such as Tableau to create dashboards for key business metrics.