

ANDREW BURNS



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NOTABLE PROJECTS

HIPAA regulated biometrics management system responsible for servicing ~50k people per year.

Designed, programmed, and maintained custom website for delivering biometric results for 50k people over four years.

Designed and implemented a custom scoring system to allow aggregate biometric reporting without HIPAA violations.

SOFTWARE ENGINEER

PROFESSIONAL EXPERTISE

- Ruby on Rails
- MSSQL / MySQL / PostgreSQL
- JavaScript / CoffeeScript
- Google Go – Golang
- Unix Shell Scripting
- Free & Open Source Software (FOSS) Advocate
- Linux – Setup and Maintenance
- Virtualized Computing
- Security Mindset
- TCP/IP Networking Design & Security
- Secure VPN Design & Management
- ReactJS

WORK EXPERIENCE

Wyoming Health Fairs

Jun 2011 - present

Solutions Engineer

Internal and external health data web application development including migration of existing MS Access business applications to web based applications.

Custom Reporting MS SQL/MySQL.

Design, build, and maintain Linux servers critical to business operations.

Improve and maintain network layout and efficiency.

Natrona County Gov.

Aug 2010 – present

Elections System Administrator (*Seasonal*)

Core member of the local and federal elections team. Fundamentally involved in:

- Programming the election equipment
- Design and layout of the ballot faces
- Running central count machines (ESS 650 & ESS 850) on election day
- Compiling and tabulating reports for media and official canvassing board

Natrona County Government

Nov 2009 – May 2011

Oracle DBA / Project Manager

Technical Project Management - Liaison between non-technical users and developers.

Worked with CIO on technical projects including replacement and management of county wide website replacement.

Responsible for ongoing maintenance and monitoring of four Oracle databases critical to county business (Treasurer, County Clerk, Clerk of District Court).

Computer Solutions

2007 – Nov 2009

Solutions Engineer

Developed internal tools and solutions utilizing Microsoft.NET platform (C#).

Also supported external clients on both existing and new projects.

Heavily utilized Microsoft SQL Server and related technologies.

Interyx LLC

2001 – 2007

Partner / Chief Software Architect

Designed and implemented several small to medium customized software / process solutions for consulting clients.

Designed and/or was lead developer on the replacement of critical AS/400 systems used by Natrona County Government:

- Property & Document Imaging & Recording[✗]
- Motor Vehicle Titling[✗]
- Motor Vehicle Sales Tax & Registration[✗]
- District Court[✗]
- Jury Pool Management & Selection (District & Municipal Court)

[✗]*System still in use as of Jun 2015.*

[✗]*System either replaced by state law (District Court) or using same fundamental design on different technology.*

Designed and implemented a successful distributed video bingo game system for a join venture (Interyx LLC / Dionysus LLC). Responsible for processing several million plays and payouts.