

# Daniel Sharp

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## SKILLS

Haskell, Python, C/C++, C#, Objective-C, Swift, iOS, VB.Net, Java, HTML, JavaScript, CSS, PHP, PostgreSQL, MongoDB, MS SQL, Oracle and Kafka

## EXPERIENCE

**Sharp Solutions LLC**                      Maumelle, Arkansas                      November 2013 - Present  
*Founder*

- Contracting with Fortune 500 retailer to update their loyalty program
  - Worked as part of a two-person team to design and architect solution
  - Setup infrastructure
    - Kafka, AWS Ubuntu, Mongo, Splunk
  - Coded middle tier using Python 3.4.5
  - Maintained and enhanced core Haskell code
- Contracting with state wide hospital to create a single-page web site
  - PHP
- Collaborating with a local startup between April 2015 and Sept 2016
  - Consulted on architecture and design
  - Developed website to allow creating/editing of message rules
    - Python 3.4, Flask, JQuery and Bootstrap
  - Created several REST services and took over management of remain services
    - Python 3.4 and Node.js
  - Managed server administration

**MartianCraft**                                      Remote                      October 2017 – Present  
*Data Engineer*

- Houston based Oil & Gas company
  - Extracted data from third party systems
    - Legacy and proprietary data systems
    - Created a pub/sub architecture centered around Kafka
    - Coded in Python and utilizing Docker, Mongo, Sqlite, and Linux
  - API supporting iOS apps
    - Maintaining and enhancing existing APIs
    - Coded in Python and utilizing Flask, Gunicorn, CouchDB, and Swagger

**Fidelity Information Services**                      Little Rock, Arkansas                      October 2014 – October 2016  
*IT Architect, Senior*

- Open Source Software Governance
  - Managed OSS Governance program for all of FIS
  - Migrated over half of OSS inventories to automated system
  - Created several tools to enable automated management
    - Written in Java
  - Subject Matter Expert of third party OSS governance tool

**Axiom Corporation**  
*Expert Architect*

Little Rock, Arkansas

April 2010 – October 2014

- Implement log file management strategy centered around Splunk
  - Lead Architect
  - Managed from initial implementation to collection of 250GB of log data daily
  - 99.99% uptime
  - Significantly decreasing problem resolution times for dozens of products
  - Enabled predictive analysis
  - Drove enterprise wide operational reporting
- Design platform solution to collect, manage and calculate royalties owed to data contributors
  - Lead Architect
  - New architecture allowed for complete automation of royalty processing
  - Allowed for accounting staff reduction while removing constraints on product growth
  - Managed several short-term projects to relieve immediate issues in parallel with overall solution development
- Manage and enhance existing billing usage system and drive integration into new accounting solution
  - Lead Architect
  - Successfully transferred development from contractors to internal resources
  - Architected repeatable solution allowing faster onboarding of new clients
- Define architecture and drive technology component for compliancy project
  - Lead Architect
  - Worked with in-house legal team to gain understanding of a complicated federal compliance mandate named the Driver's Privacy Protection Act
  - Directed development activities of several teams via a design document and in weekly team meetings

**Axiom Corporation** Little Rock, Arkansas  
*Senior Developer*

May 2007 – April 2010

- Stabilize a European lead generation system
  - Lead Developer
  - Led established team through the process of defining, categorizing and prioritizing existing issues
  - Focused development to key issues that drove immediate product stability
  - System was written in C#
- Architect website using existing name and address fulfillment system
  - Lead Architect/Developer
  - Successfully created architecture to seamlessly integrate a modern UI to legacy system
  - Launched full site on-time
  - .Net framework, C# and Javascript
- Evaluate technology of vendor solution and give acquisition recommendation
  - One of two architects hand selected
  - Reviewed all vendor products with CEO and key development staff over several days
  - Gave recommendation to purchase
  - Vendor purchased and has become a core offering of Axiom

**Axiom Corporation** Little Rock, Arkansas March 1996 – May 2007

*Developer*

- Lead newly released marketing user interface
  - Team Leader
  - Focused development team to stabilize product
    - Increased uptime from a single 9 to 99.9
  - Increased automation driving hundreds of thousands in cost reductions annually
  - C++ and Visual Basic
- Maintain and enhance proprietary flat file counts system
  - Gained knowledge of complicated system quickly
  - Drove numerous enhancements
  - C++

**United States Air Force**

May 1990 – September 1993

*Systems Specialist*

- Avionics systems maintenance on F16
- Served in Operation Desert Shield

#### EDUCATION

**University of Central Arkansas** Conway, AR May 1997

*BS in Computer Science*

*References are available upon request.*