

# DEAN HOUSEHOLDER

TECHNOLOGY SPECIALIST

801.520.9494



DEANHOUSEHOLDER@GMAIL.COM



LINKEDIN/DEANHOUSEHOLDER



WWW.DEANHOUSEHOLDER.COM



SALT LAKE CITY, UT



## SKILLS

### >> PROGRAMMING

PHP/JAVASCRIPT/CSS (19 YEARS)

OOP/MVC/REST/AJAX (13 YEARS)

SEO/MARKETING (11 YEARS)

API/WEB SERVICE DESIGN (8 YEARS)

ARCHITECTURE (7 YEARS)

DATA TRANSFORMATION (7 YEARS)

SECURITY (6 YEARS)

### >> DATABASE

MYSQL/PGSQL/ORACLE

REPLICATION/CLUSTERING

APPLICATION DESIGN/ARCHITECTURE

### >> SYSTEM ADMINISTRATION

APPLICATION SERVER DEPLOYMENT

NETWORKING/LOAD BALANCING/F5

FIREWALL/DNS/WIRESHARK

AWS/CLOUD COMPUTING

## PROFILE

Software Developer in PHP/MySQL for over 19 years. Certified Linux Systems Administrator, Systems Architect, Database Architect, Technical Writer, Estimator, Technical Communicator, Data Manipulation Expert, Bottleneck Breaker, Firefighter.

Quick Learner, Technical, Honest, Reliable, Proactive, Team Player, Dedicated, Resourceful, Helpful, Values-Centered, Friendly, Priority-Focused, Cool under Pressure, Level-Headed, People-Person

## PROFESSIONAL EXPERIENCE

### SR PHP DEVELOPER

*Galileo Processing / Salt Lake City, UT / Sep 2018 – Present*

- Develop new features and make improvements on dozens of fintech web applications
- Maintain a strong focus on implementing high security best practices into daily coding
- Mentor other developers on team through code reviews and help in their code
- Integrate with internal API's to process banking transactions
- Streamline development process and onboarding with Docker automation scripts for rapid Dev environments

Technologies used:

PHP, Zend Framework, Oracle, Redhat Linux, Docker, Splunk, Git, GitLab, Jira, Confluence,

### SR PHP DEVELOPER / SYSTEMS ADMINISTRATOR

*Innovation Guys, LLC / American Fork, UT / Nov 2017 – May 2018*

- Architected fast, secure and reliable server-to-server IPsec VPN tunnels.
- Set up server monitoring with dashboard graphing of resource utilization
- Set up MySQL database replication with binary log backups and point-in-time recovery.
- Developed many features for ReminderDental.com website including:
  - Extensive regular expression sanitization and validation
  - JavaScript SPA calendar application
  - Image upload resizer with back-end storage using unique filenames
- Built URL shortening API
- Wrote PHP application integration to Google Search and Google Maps API's

Technologies used:

PHP, Laravel Framework, MySQL Replication, CentOS, Apache, CKEditor, Git, Jira, BitBucket, MailGun, PostMan, jQuery, Bootstrap, FullCalendar, pfSense, Percona XtraBackup, IPFire,

## SKILLS

### >> TECHNICAL

PHP



Database



Linux



Networking



F5 Load Balancing



Cloud Foundry



Web Scraping



## EXPERIENCE (CONTINUED)

### FREELANCE DEVELOPER

*South Jordan, UT / Mar 2015 – Present*

- Project: DeseretNews.com – Worked on a CMS-driven dynamic news portal which delivered news around the clock. Technologies used: PHP, Symfony framework, MySQL, CSS/SCSS, CSS Flexbox/Grid layouts, JavaScript, jQuery.
- Project: CLIO Reports – Built an external reporting tool to allow an Attorney's office to allow clients to log in and get updates to their case. Technologies used: PHP, Laravel Framework, MySQL, AJAX, JavaScript, jQuery, CSS, REST API Calls, OAuth2, Authentication, PDF generation, Bulk Email sending.
- Project: Vonage Voicemails – Perform web scraping to log into to Vonage (which doesn't provide an API), to download MP3 files of voicemails and capture related meta data, such as caller ID name, caller number, time and date. Built a web interface to view, play, delete, as well as save the voicemails to Dropbox via its API. Technologies used: PHP, Laravel Framework, MySQL, AJAX, JavaScript, jQuery, CSS, Dropbox API.
- Project: Web Hosting Control Panel – Built a web-based domain hosting solution that allows users to log in, enter their domain name, select hosting or redirect, SSL or plain hosting, and whether or not to install WordPress after setup. Technologies used: PHP, Laravel Framework, MySQL, BASH, C.
- Project: Expo Pro – Writing a WordPress plugin to manage conference/expo/trade show events with a dynamic floorplan map. Includes the ability to select booths for rent, add them to the cart, fill out customized form and pay online to reserve them.
- Project: (Under NDA) – Built a web scraper to aggregate product purchases and display the results in various reports with graphs, sortable columns and other data-driven requirements. Users can discover best-selling areas to focus on when building new products. Technology includes: PHP (OOP/MVP), MySQL, AJAX, JavaScript, CSS, Web Crawler using Asynchronous CURL requests, REST API calls, User Registration / Management System, jQuery, Chart.js, Message Queuing, Export reports to Excel.

### SENIOR APPLICATION SYSTEMS ENGINEER

*LDS Church / Riverton, UT / Jul 2008 – Nov 2017*

- Support dozens of large web applications on over 200 Linux servers
- Architected solutions and implemented F5 load balancing, reverse-proxy caching, multi-datacenter high availability, backups, and disaster recovery solutions
- Architect solutions for performance, scalability, supportability, security, and redundancy/high availability
- Support development teams in troubleshooting and identifying security and performance weaknesses in applications
- Led or contributed to hundreds of architectural discussions to determine the best solution, technology and implementation
- Led or contributed to hundreds of architectural discussions to determine the best solution, technology and implementation
- Wrote CF Scripts – A robust BASH framework for automating deployments and configuration of Cloud Foundry via its command-line API

## ACHIEVEMENTS

>> LPIC CERTIFIED LINUX SYSTEMS ADMINISTRATOR

>> F5 ADVANCED IRULE TRAINED

>> ITIL CERTIFIED

>> EAGLE SCOUT

## INTERESTS

>> AUTOMATION SCRIPTING

>> OPEN-SOURCE

>> TRAVELING

>> SCUBA DIVING

## EXPERIENCE (CONTINUED)

### VICE PRESIDENT

*Families.com, LLC / Gilbert, AZ / Jul 2005 – Apr 2007*

- Co-Founder
- Developed a dynamic social network website from scratch using PHP and MySQL
- Built OOP codebase with custom framework
- Architected complex database systems built for performance and security
- Worked with external API's to retrieve real-time data reports
- Sold for substantial profit

### PHP DEVELOPER / SR PHP DEVELOPER / CHIEF DEVELOPMENT OFFICER

*Adoption.com / Tempe, AZ / May 2000 – Jul 2008*

- Built over 100 PHP/MySQL dynamic websites such as Adoption.com, and Adopting.org, FertilityCommunity.com, CrisisPregnancy.com with shared custom CMS
- Implemented SEO techniques to optimize page rank and traffic
- Implemented and heavily customized a very complex ad delivery system for tens of millions of monthly pageviews
- Grew to be the Technology Architect over team of 25 developers where I directed all major architecture decisions and oversaw all technical projects
- Directed migration of servers to new datacenter with minimal downtime

## REFERENCES



RON ULLOA

#### PORTFOLIO DIRECTOR

The Church of Jesus Christ  
of Latter-day Saints  
801.369.3248  
ulloara@ldschurch.org



NATHAN GWILLIAM

#### CEO

Adoption.com  
208.252.4233  
nathan@gwilliam.com



DAMON MARTINEAU

#### SENIOR DEVELOPER

Socius  
602.931.2470  
damonrm@gmail.com



HEBER ALLEN

#### RELATIONSHIP MANAGER

Intermountain Healthcare  
801.608.7953  
heber.allen@gmail.com