812-624-5224
shawn@luciditi.io

Shawn Conn, **Luciditi LLC**
2602 2nd Avenue, #187
Seattle, WA 98121-2005

Education

- 2004 Bachelor of Sciences (Computer Science/Mathematics), Purdue University

Work Experience

Luciditi LLC (Web Dev/DevOps/Consulting)

2602 2nd Avenue, #187
Seattle, WA 98121

Duration: December 2007 - Present

Role: Owner / Web & DevOps Engineer / Consultant

Reference: (See clients)

Independent web engineer/consultant with DevOps support & Drupal expertise, serving clients across many industries.

Responsibilities & Experience:

- **Consulting:** Research, documentation, project estimation, & staffing. (see Clients for details)
- **Development:** Full site/application development. Staff augmentation. (see Clients for details)
- **DevOps:** Site maintenance & deployment automation for clients. (see Clients for details)
- **DevOps:** Designed/Developed Devbook, a macOS workstation provisioner.
- **Owner:** Manage the marketing, finances, budgeting, & contracts.

ATTN: (Media & Publishing)

5700 Wilshire Blvd #375
Los Angeles, CA 90036

Duration: June 2017 - July 2019

Role: Senior DevOps Engineer / Software Developer

Reference: Jake McGraw (CTO): 212.729.6608
Jarrett Moreno (CEO): 202.258.8990

Responsibilities & Experience: DevOps support, CMS team lead, & technical PM work.

- **Development:** Worked on content-driven web application products: new CMS build/migration (D8) & maintenance, designed multi-format publishing architecture (HTML, RSS, AppleNews, AMP), frontend project development/support (Node) with decoupled CMS/API backends (GraphQL & JSONAPI), misc data team stories: refactoring data processing jobs & GCP client libraries (Python).
- **Consultant/Tech PM:** Planned out Drupal 8 upgrade epic; gathered technical requirements, created story cards, & other technical PM work; various research & communication with engineering team about improvements or problems; complete audit of AWS resources; produce video/text guides for users & developers.
- **DevOps:** Dockerizing LAMP dev environment; lead an initiative to fully manage cloud IaaS (GCP/AWS) via Terraform; automated orchestration of K8S data product cluster; CI setup/maintenance; app/service/infrastructure build & deployment automation for various IaaS/PaaS; development process automation; migration from custom Jenkins server to CircleCI.

Oohology (Digital Agency)

908 S 8th Street
Louisville, KY 40203

Duration: February 2012 – July 2012

Role: Web Developer

Reference: Chuck Burke (COO): 502.552.3918
Sean Breslin (CEO): 502.416.0143

Responsibilities & Experience: Full stack developer in LAMP & Microsoft technology stacks for an agency.

- **Development:** WordPress, Drupal, PHP, & C1 CMS Development
- **DevOps:** Scripted deployment/backup & other multi-site maintenance operations.
- **Research/Documentation:** Technical research for project managers & documentation for clients.

[**Republic Bank & Trust Company**](#) **(Banking)**
200 South 7th Street
Louisville, KY 40202-2721

Duration: February 2011 – April 2011

Role: Software Developer

Reference: Martin Underwood (Manager): 502.558.0796

Responsibilities & Experience: Temp help for Republic's [Tax Refund Solutions](#) (TRS) during tax season.

- **Development:** Developed various batch scripts to assist in build processes. Implemented new config system through TRS's Windows/web applications & services. Various code clean up & bug fix tasks.
- **Documentation:** Reviewed & documented a configuration management library.
- **Research:** Examined/documented security model to verify the role security tokens granted vs. application permissions. Researched IRS's criteria for an EFIN and how it applies to TRS's tax preparer data model.

[**Heartland Payment Systems**](#) **(Financial Services)**
One Heartland Way
Jeffersonville, IN 47130

Duration: March 2008 – December 2010

Role: Source Control Manager

Reference: Alex Shull (Architect): 502.724.8104

Responsibilities & Experience: Jr. Developer to source control management role with devops work.

- **DevOps:** Created various DevOps tools for source control management, build deployment-automation, & server/config maintenance. Automated tedious manual review-deployment processes.
- **Developer QoL Improvements:** Handled various code maintenance tasks: upgrading code projects/solutions, setup debugging VMs, wrote technical how-to documentation, refactored code for performance/readability.
- **Server Migration:** Managed many technical aspects (design, research, configuration, builds) of migrating all HPS web applications from physical single server to virtualized load-balanced environment. Worked with all stakeholders (QA analysts/network admins/ developers) to troubleshoot issues.
- **Source Code/Server Administration:** Managed build deployment processes. Supervised other source control devs & system admins. Coordinated with various stakeholders (devs, DBA, PMs, BAs, etc) on orchestrating bug/feature deployment (during legacy manual build processes). Executed various ad-hoc server administration tasks.

[**Prima Supply LLC**](#) **(Equipment Retailer)**
4603 Poplar Level Road, Suite 1
Louisville, KY 40213

Duration: February 2007 - July 2008

Role: Web Developer

Reference: Andy Lowe (Proprietor): 502.643.9782

Responsibilities & Experience: Web developer for Prima's sites. A core developer for Übercart, an ecommerce shopping cart for Drupal. _(tech exp)

- **Drupal Module Development:** Developed Übercart modules for File Download, Role Purchase, Stock Manage, and Reporting functionality.
- **Site Development/Management:** Development & administration for misc Prima-affiliated sites.
- **Sponsored Development:** Developed/supported Übercart modules for 3rd parties based on given specs.
- **Web Application Development:** Developed a web application installer & an inventory management system.

New Albanian Brewing Company (Brewery)

3312 Plaza Drive
New Albany, IN 47150

Duration: June 2004 – July 2010

Role: Server / Tech Support

Reference: Kate Lewison (Proprietor): 502.544.1665

Responsibilities & Experience: A server at brewpub with knowledge in both beer & technology.

- **Server:** Taking orders, phone calls, stocking, register management, event service/management, beer/brewing education, and other customer service tasks.
- **Tech Support:** WiFi network setup, website support, POS upgrades, computer/electronics purchasing, running Ethernet cable, etc.

Delco Electronics (Automotive Electronics)

1435 Winhentchel Boulevard Suite 210
West Lafayette, IN 47906

Duration: February 2003- May 2004

Role: Coding Standards Tester

Reference: Jonathan Bradley (Manager): 765.464.1111

Responsibilities & Experience: Software & product tester for various Delphi products. (tech exp)

- **Product Testing:** Helped engineers find bugs in Delphi's Truck PC product. Tested functionality of Delphi's MPC Elite, OnStar, and other computerized car components.
- **Software Testing:** Tested and verified automotive part code against Delphi's (DCART) standards. Developed scripts for code verification automation.

Luciditi Clients

A selected list of projects & work delivered as freelance consultant/developer.

- **ATTN (**attn.com**):** **Contact:** 5700 Wilshire Blvd #375, Los Angeles, CA 90036 - **Donny Nguyen (CTO):** 213.245.1470
  - **Development:** Various CMS bug fixes & features, maintenance on existing Drupal 7/8 codebases.
  - **Consultant/Technical PM:**
    - Auditing of cloud resources in prep for AWS to GCP migration.
    - Research on existing and new IaaS / PaaS vendors to make recommendations.
    - Various research & communication with the engineering team about improvements or problems.
  - **DevOps:**
    - Dockerizing LAMP dev environment
    - CI/CD pipeline setup & maintenance via CircleCI & Google Cloud Builder
    - Setup/maintenance of performance monitoring tools (e.g. Sentry, New Relic, & GCP StackDriver)
    - Automation of cloud resource management via Terraform for AWS, GCP, CloudFlare, GitHub

- **BKJ Digital (**bkjdigital.com**): Contact:** 2944 Judah Street, San Francisco CA, 94122 - **Ben Durbin (Director of Technology):** 415.902.3932
  - **Developer / Consultant:** Various features & bug fixes. Automated testing. Assisting with Drupal 6 to 8 migration. Provide feedback to developers & end users on various features.
  - **Developer:** New Drupal 8 builds (e.g. sophos.com)
  - **DevOps:** Assistance with migration to AWS architecture.

- **Oversee.Net (**oversee.net**): Contact:** 550 S. Hope Street, Suite 200, Los Angeles, CA 90071 - **Debra Domeyer (CEO):** 213.408.0080 - **Tigran Mekikian (Director):** 213.607.0171
  - **Consultant:** Assisted designers w/ templating system; Assisted sysadmins in troubleshooting errors, performance problems, and server virtualization; Assisted management in a planned transition from PHP/Drupal-based applications to Ruby-based ones; developed a plan to port/upgrade to modern version of Drupal.
  - **Developer:**
    - Site maintenance
    - Fixed broken deployment system
    - Code refactoring to port/upgrade applications
    - Integration w/ in-house & 3rd party tracking systems

- **NCAA (**ncaa.org**): Contact:** 700 W. Washington Street, P.O. Box 6222, Indianapolis, Indiana 46206-6222 **Dana Thomas (Director):** 317.917.6431 - **Ryan Powell (Assoc. Director):** 317.364.7309
    - **Developer:** Code base refactoring for readability and maintenance (decoupling many cross-dependencies).
    - **Consultant:** Architecture report for custom code cleanup. Code report for replacing custom code with open source solutions.

- **PearServeLabs: Contact:** 1860 Mellwood Avenue, Suite 191, Louisville, KY 40202 - **Dallas Howard (Developer):** 917.373.7115
    - **Development:**
        - ETL web service.
        - GMaps API admin interface
        - Backend administration of VoterIntel
        - Libraries/shell scripts for integrating GeoIQ's REST API.
        - Abstracted geocoding interface for Geocoder API (e.g. Google, Bing, Yahoo).

- **Louisville.com/Louisville Magazine (**louisville.com**):** 137 West Muhammad Ali Boulevard, Suite 101 Louisville, KY 40202-1438 **Dan Crutcher (Publisher/Proprietor):** 502.876.6679 **Zach Everson (Editor/Consultant):** 703.919.8018
    - **SysAdmin/DevOps:** Virtualized server environment. Built development environment & deployment process. Various server maintenance.
    - **Development:**
        - Drupal 6/7 upgrades
        - Custom theme development
        - Custom CMS conversion (proprietary .NET to Drupal)
        - Content import automation
        - SEO improvements
        - Interactive Maps
        - Mobile-friendly improvements
        - Code improvement (bugs/refactoring)
    - **Consultant:** Moved from OpenX to Google DFP platform. Content development process streamlining. Consulted with writers to improve editing experience.
- **MedIQ Learning LLC (**usmle-rx.com**): Contact:** 601 RobinBrooke Boulevard, Suite 100, Elizabethtown, KY 42701 - **Dr. Tao Le (CEO):** 270.234.1197
    - **DevOps:**
        - Analytics/DNS/Hosting/Registrar/Source Code Account Consolidation
        - Assisted other devs in application debugging
        - Created build/deploy/backup processes for .NET & LAMP apps
        - Server Orchestration
    - **Developer/Consultant:**
        - AdHoc Performance/Data Reports
        - API client for the A.nnotate PDF annotation service.
        - Custom CMS conversion (proprietary .NET to Drupal)
        - Custom Drupal module
        - Custom user administration dashboard
        - Documentation for legacy & new REST API client/service
        - Drupal 6/7 upgrades.
        - Custom REST API Client/Service for new HTML5-based platform
        - CS2 live video lecture application
        - CS1 video player application
        - Code review for other developers
        - Code refactoring for readability and isolation of business/presentational logic
        - Custom FFMPEG transcoder/XML parser service
        - .NET/Drupal interface
        - Oracle/MySQL DB abstraction layer

- **The Parish Paper (**theparishpaper.com**): Contact:** 9 Indian Pipe Drive, Wynantskill New York, 12198 - **Cynthia Woolever (Owner):** 518.669.8934
    - **Full Site development, Hosting, Support**

- **Bei Capelli LLC (**bei-capelli.com**): Contact:** 2241 State Street, Suite C, New Albany, IN 47150 - **Whitney Botkins (Co-Owner):** 812.944.9655
    - **Full Site development, Custom CRM Solution**

- **Midwest Security Services (**as AVC Security**): Contact:** 11872 Capital Way, Louisville, KY 40299 - **Linda Hillenbrand (Owner):** 502.664.4252
    - **Full Site development**

- **Miscellaneous:**
    - **KWWOA (**kwwoa.org**):** **Development**
        - **The Global Health Network (**tghn.org**):** **Consulting**
        - **Starlight Distribution (**starlightdistribution.com**):** **Development**

● **Kentucky Day School (**kcd.org**):**　　　　　　**Development**

Abilities & Knowledge

A list of background knowledge & skills acquired over my life.

Purdue University Curriculum:

Computer Science

- **CS181:** Programming I - Introduction to object oriented programming using Java.
- **CS182:** Foundations of Computer Science - Analysis of algorithms and other object oriented concepts using C++.
- **CS250:** Computer Architecture - Studied computer architecture while developing applications using M68K assembly.
- **CS251:** Data Structures - Implemented and studied various common data structures using C.
- **CS314:** Numerical Methods - Studied various mathematical approximations implemented in modern computing.
- **CS381:** Intro to Analysis of Algorithms - Implemented various common algorithms and tracked performance using C.
- **CS352:** Compilers - Developed Mini Java to MIPS architecture compiler.
- **CS354:** Operating Systems - Developed UNIX shell. Developed other applications using important OS concepts in C.
- **CS348:** Intro to Database Management Systems - Developed basic database schemas/stored procedures with Oracle.
- **CS422:** Computer Networks - Developed basic web server and implemented various Internet routing algorithms.
- **ECE473:** Intro to Artificial Intelligence - Wrote AI applications involving game tree analysis, machine vision, etc.
- **EE270:** Intro to Digital Logic Design - Studied the electronic components for computing fundamentals. Developed basic 4-bit ALU.

Mathematics

- **MA161:** Calculus I
- **MA162:** Calculus II
- **MA261:** Multivariate Calculus
- **MA351:** Linear Algebra
- **MA353:** Linear Algebra II
- **MA362:** Vector Calculus
- **MA366:** Differential Equations
- **MA375:** Discrete Mathematics
- **MA453:** Abstract Algebra

Technology Experience:

An incomplete list of applications / tools used in various roles, selected by general proficiency strength, tagged w/ relevant roles.

Applications / Tools

- **Microsoft:**
  Active Directory, IIS, MSBuild, Office Suite, Sharepoint, SQL Server Team Foundation Server, Visual Studio, Windows

  (DELPHI)

- **Open Source:**
  Ansible, Apache Web Server, Chromium Dev Tools, CVS, Docker, Drupal, DrupalVM, FFMPEG, Git, Jenkins, Kettle (Pentaho BI), Linux (Ubuntu / CentOS distros), MediaWiki, MariaDB/MySQL, NginX, Open Office, PostFix, Vagrant, Vim

- **Other Proprietary:**
  Adobe Creative Suite, macOS, Oracle RDBMS, Parallels VM, PT GUI Pro, QuickBooks

- **Web:**
  Acquia Cloud/DevDesktop, AWS, BaseCamp, BitBucket, Confluence, GitHub, G Suite, JIRA, Pantheon, Rackspace, Slack

An incomplete list of APIs, frameworks, & development environments sorted by duration of development experience, ranging from **multi-year**, to **partial-year**, to **basic conceptual knowledge**.

Frameworks / APIs

- **Drupal API:** 10+ years
- **jQuery:** 9 years
- **jQuery UI:** 4 years
- **AngularJS:** 2 years
- **WordPress API:** 1 year
- **Google Maps API:** 1 year
- **AWS:** 1 year >.
- **Facebook API:** 1 year >
- **Twitter API:** 1 year >
- **Kohana:** 1 year >
- **Joomla:** 1 year >
- **Windows Services:** 1 year >
- **WMI:** 1 year >
- **Chromium Extension API:** 1 year >
- **Composite C1 API:** 1 year >
- **Rackspace Cloud API:** 1 year >
- **Adobe Connect API:** 1 year >
- **ASP.NET MVC:** Basic knowledge
- **CSLA:** Basic knowledge
- **DotNetNuke:** Basic knowledge
- **.NET LINQ:** Basic knowledge
- **WCF:** Basic knowledge

Languages / Environments

- **Web (CSS/HTML/JS):** 12+ years
- **MySQL:** 11 years
- **PHP:** 11 years
- **Bash/ZSH:** 6 years
- **ASP.NET/.NET Framework (C#):** 5 years
- **Oracle PL/SQL:** 3 years
- **ASP:** 2 years
- **MS Transact-SQL:** 2 years
- **Visual Basic:** 2 years
- **VBScript:** 2 years
- **Node.JS:** 3 years
- **Python** 3 years
- **C/C++:** 1 year > (DELPHI)
- **Java:** 1 year >
- **MIPS/M68K assembly:** 1 year >
- **Perl:** 1 year > (DELPHI)
- **Powershell:** 1 year >
- **Scheme/Lisp:** 1 year >

Hobbies

- **DVD/Video:** Production of various DVD and other videos.
- **Spherical Photography:** Production w/ specialized equipment, camera phones, & digital SLRs.
- **Console Modding:** Soft/Hard modification of older generation game consoles.
- **Home Automation:** Installation/Setup some coding on the Smartthings platform.