Andrew DePersio

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Education	Experience

Education

Ball State University
Muncie, Indiana
Fall 2008 - Summer 2012
- Computer Science
- Applied Physics – Nanoscience

Certifications
- AWS Certified Developer Associate - 2017

Programming Languages
- C#
- Javascript
- Java
- Perl
- Python
- Powershell

Database Systems
- Oracle
- Microsoft SQL
- PostgreSQL
- MySQL

Platforms
- Windows Server
- Linux (Debian, RHEL)
- Microsoft IIS
- Salesforce

Web Technologies
- HTML/CSS
- jQuery
- Bootstrap
- Node.js
- Ember.js
- Aurelia.js
- XSLT
- ASP.NET
- SOAP
- REST

Tools and Applications
- Visual Studio
- Eclipse
- Android Studio
- Git
- Mercurial
- SVN
- Perforce

Cloud Services
- Microsoft Azure
- Amazon Web Services
- Heroku

Experience

RenPSG, June 2017 – Present, Indianapolis, IN
- **Software Engineering Manager**, March 2019 – Present
  - Responsible for all software design, development, and maintenance for the organization. Prepare required technical proposals for software engineering. Work with product owners and stakeholders to determine direction of core products.
- **Software Engineering Team Lead**, June 2018 – March 2019
  - Oversee solution design and development. Manage Software Engineers ensuring successful project execution. Lead design and code reviews. Develop internal tools and development templates
- **Senior Software Engineer**, June 2017 – June 2018
  - Full stack .NET web development and design using C# and ASP.NET MVC. Functional requirement specifications authoring. Design and development of internal applications and services to increase developer productivity.

Interactive Intelligence / Genesys, June 2012 – June 2017, Indianapolis, IN
- **Software Engineer**, June 2015 – June 2017
  - Design, consultation, and development of custom applications, services, and web applications for call center and business users.
- **Senior Implementation Engineer**, February 2014 – July 2015
  - Design and development of reusable packaged solutions, internal development and configuration tools, authoring of training material, and mentorship roles
- **Implementation Engineer**, June 2012 – February 2014
  - Custom IVR development, server configuration and management, requirements gathering and authoring, technical project management roles

Oak Ridge National Laboratory, May 2011 – August 2011, Oak Ridge, TN
- **Science Undergraduate Laboratory Intern**, May 2011 – August 2011
  - Database scalability research, Linux server administration, Programming in Perl and Fortran, Virtual Machine deployment and management

Projects

- **Elemental**
  - Periodic table application for Android phones.
- **Morgan's Raid**
  - Educational computer game about the American Civil War in Indiana.
- **Los Alamos Employee Management System**
  - Restaurant employee profile, scheduling, payroll management system.
- **Foresight and Understanding from Scientific Exposition**
  - Project to store and analyze scientific articles for emergence of new research trends.
- **LogSlicer**
  - Log collection utility for CIC systems.
- **WavMaker**
  - Text to Speech audio file generator for CIC system IVR prompts.
- **Placecats**
  - Image placeholder webservice
- **Gitsnare**
  - System for distributing and updating git hook scripts within a repo
- **Netspeed Monitor**
  - Internet speed monitoring service

Publications

- **Phase Space Dissimilarity Measures for Structural Health Monitoring**
  http://www.osti.gov/bridge/product.biblio.jsp?osti_id=1029952
  A novel method for structural health monitoring (SHM), known as the Phase Space Dissimilarity Measures (PSDM) approach, is proposed and developed.