Andrew DePersio

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Education	Experience

Education

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

Certifications

- AWS Certified Developer Associate - 2017

Programming Languages

- C# / .NET
- Javascript / Node.js
- Java
- Perl
- Python
- Powershell

Database Systems

- Oracle
- Microsoft SQL Server
- PostgreSQL
- MySQL

Platforms

- Windows Server
- Linux (Debian, RHEL)
- Microsoft IIS
- Salesforce
- Azure Devops
- Atlassian (Jira, BitBucket, OpsGenie)
- Teamcity

Experience

Indiana University Health, January 2021 – Present, Indianapolis, IN
- **Senior Software Engineer**, January 2021 – Present
  - Full stack development using C#, ASP.NET MVC, Sitecore CMS, Entity Framework, SQL Server, Azure cloud services, Azure Devops, Nuke build automation, XUnit, Hangfire

RenPSG, June 2017 – January 2021, Indianapolis, IN
- **Software Engineering Manager**, March 2019 – January 2021
  - 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 development using C#, ASP.NET MVC+Webforms, Aurelia.js, GraphQL, Entity Framework, Oracle, Docker, Kubernetes, Azure cloud services, Atlassian suite (Jira, BitBucket, OpsGenie)

Interactive Intelligence / Genesys, June 2012 – June 2017, Indianapolis, IN
- **Software Engineer**, June 2015 – June 2017
  - Full stack development using C#, ASP.NET MVC+Webforms, Ember.js, Node.js, AWS, BitBucket, Appveyor, SQL Server, Oracle, XSLT
- **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

Web Technologies

- HTML/CSS
- jQuery
- Bootstrap
- Ember.js
- Aurelia.js
- XSLT
- ASP.NET
- Selenium
- Playwright

Personal Projects

- **AutoBingRewards**
  - Browser automation for completion of Microsoft Rewards offers using C#/.NET, Playwright, and Selenium
- **FFMPEGTK**
  - GUI frontend for FFMPEG using C#/.NET and GTK.
- **Netspeed Monitor**
  - Internet speed monitoring service using Perl and speedtest-cli
- **Placecats**
  - Image placeholder webservice using Node.js, Express.js, Sharp
- **Gitsnare**
  - System for distributing and updating git hook scripts within a repository using Perl
- **LogSlicer**
  - Log collection utility for Interactive Intelligence CIC systems using C#/.NET

Tools and Applications

- Visual Studio
- Eclipse
- Android Studio
- Git
- SVN

Cloud Services

- Microsoft Azure
- Amazon Web Services
- Heroku

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.