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Profile

I am an experienced identity management consultant and software engineer, focused on building sustainable and client-managed IAM solutions businesses and academic institutions of all sizes. My desire is to resolve complex identity scenarios for my clients while maintaining an education-first approach: I treat every client interaction as a series of teachable moments that will ultimately make them more comfortable with the solutions I provide.

Experience

IAM Consultant / Software Engineer, IDM Engineering

January 2016 – Present, ~80% time commitment over past 2 yrs.

- Design, customization, and implementation/integration experience and various other SAML implementations as suiting a given project/requirement.
- Day-to-day integration assistance, support, and management services for Shibboleth IDP-based SSO environments for multiple R1 and R2 universities.
- Since 2018, lead engineer for all identity projects, responsible for quotes, principal sales engineering, documentation, and project management with a proven record of delivering successful identity management solutions on time and within budget.

Software Engineer, BCS Engineering

January 2016 – Present, ~20% time commitment over past 2 yrs.

- Development of custom e-commerce solutions, including X-cart and Magento custom module development, front-end web design, WordPress integrations and module development, and general PHP development as project needs arise.

Founder, Cardinal Computing Consultants

Sep. 2014 – October 2016; Acquired by BCS January 2016

- Provider of independent data science consulting services; including sentiment analysis using Twitter API, custom script development, and visualization services.
- Provider of managed services for small businesses in the Athens/SE Ohio region, including web design/hosting, system administration, and Windows server administration.

Adjunct Professor, Marietta College Dept. of Physics

Dec. 2014 – May 2015

- Teaching introductory calculus-based physics.

Research Assistant, Ohio University

Aug. 2008 – Dec. 2013

- Principal developer of a gravitational lensing data analysis pipeline for use with Hubble Space Telescope imaging data; currently still utilized by the Dark Energy America/France Team; DAFT/FADA Collaboration.

Technical Skills

- Deeply familiar with a wide variety of SAML-based single sign-on stacks, including Shibboleth (SP & IDP), AD FS, SimpleSAMLphp, WSO2 Identity Server, Keycloak, and the OneLogin SAML toolkits for PHP and Python.
- Integration and architecture experience with multiple IDaaS products: OneLogin, Okta, Azure AD and PingFederate.
- Familiar with non-SAML SSO technologies such as Apereo CAS, OAuth 2.0/OIDC, SCIM, and LTI.
- Familiar with SSO-adjacent technologies and concepts including LDAP, SQL, PKI, Apache/Nginx server admin, inter-federation.
- Substantial development experience, primarily with PHP (day-to-day development for the last 6 years), but also Java (4 yrs., mostly in the context of Shibboleth IDP customization), and to various (lesser) extents: Python, Perl, and C++.
- Day-to-day use: git, svn, RHEL-like OS server administration, WSL.

Non-technical Skills

- Experience (and enjoyment from) working in a small, team-focus environment where everyone pitches in as needed.
- Excellent verbal and written communication.
- Problem-solving rooted in training as a physicist.
- Exceptional organization (GTD) and project management.

Education

Ph.D., Physics – Computational Cosmology
Ohio University

M.S., Physics – Theoretical Nuclear Physics
Ohio University

B.S., Mathematics & Physics
Otterbein University

References Available Upon Request