

Michael Alberhasky

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3540 Foxana Drive, Iowa City, IA 52246

Qualifications: Organized and effective team leader who successfully directs numerous custom application development projects through the entire development life cycle. Demonstrated technical adaptability in 20 years of experience in application development, maintenance, testing, debugging, and system architecture.

Recent Accomplishments:

- Designed, built and deployed RabbitMQ infrastructure onto AWS for use as a message bus for on-premise enterprise applications.
- Replaced asset management system in communication engine with a front-end built in VueJS and backed by AWS S3 and CloudFront.
- Deployed a multi-stage event data pipeline for user event tracking using Snowplow Analytics on AWS.
- Built secure self-service tool for multi-domain usage to facilitate password reset and changes using institutional data for challenge questions.
- Facilitated and led a daylong workshop for community developers on advanced CSS techniques.

Professional Experience:

Lead Application Developer

The University of Iowa – ITS – Architecture Team

January 2014 – Present Iowa City, IA

Primary responsibilities include architect, build and support critical enterprise applications and information systems used to further the University of Iowa's core missions.

- Lead development efforts engineering software critical to the institution's mission.
- Provide leadership and guidance to team on migration to cloud technologies.
- Provide leadership to other software development groups on campus on software solutions and methodologies.
- Research and develop proof of concepts with new technology.
- Develop automated testing and deployment pipelines.
- Assist departments in automating and refining their communication strategies.
- Construct and maintain technical documentation for applications.

Lead Application Developer

The University of Iowa – Information Management for Finance and Operations

May 1999 – December 2013 Iowa City, IA

Primary responsibilities include management of a team of web developers on tasks, projects, and technical implementation for enterprise financial applications.

- Lead development efforts engineering software critical to the institution's mission.
- Provide leadership and guidance to team on migration to cloud technologies.
- Provide leadership to other software development groups on campus on software solutions and methodologies.
- Research and develop proof of concepts with new technology.

- Develop automated testing and deployment pipelines.
- Assist departments in automating and refining their communication strategies.
- Construct and maintain technical documentation for applications

Web site Designer

McLeodUSA

January 1998 – May 1999 Cedar Rapids, IA

Primary responsibility included collaborating with clients on design and function of web sites sites and web-based applications.

- Led development teams in the creation of large custom web sites for business-to-business magazine publications.
- Researched new technologies to assist McLeodUSA and its clients' business goals.
- Assisted sales staff and management in project estimates for contracts.

Skill areas and Technologies:

Java, Javascript, Node.js, Python, Php, ColdFusion	MS SQL Server (TSQL)
Amazon Web Services (AWS)	Oracle (PL/SQL)
VueJS, jQuery, webpack, HTML5	MySQL, MariaDB
CSS	DynamoDB, Redis, Redshift
Version Control (Git, Subversion)	
Micronaut, Play Framework, FW/1, Stripes, Wordpress, Jekyll, Express, MJML	Web services (RESTful, SOAP)
Server OS: Windows Server, Red Hat EL, CentOS, Amazon Linux, Ubuntu	Gradle, Maven
Web servers: IIS, Apache, Nginx	GitLab, Jira issue tracking
Active Directory administration	Twilio, Duo

Education and Training:

Cornell College (1994 – 1998) Mt. Vernon, IA
 BA in Economics and Business, Minor in International Politics

Advanced Management Services: Completed October 2011
 MOR Associates IT Leadership Program: Completed June 2010

AWS Certified Developer Associate
 AWS Certified Solutions Architect Associate

Presentations:

SSL for Local Development
 2020 UI Developer Community — The University of Iowa

Event Pipelines on AWS with Snowplow
 2017 Common Solutions Group Cloud Forum – Cornell University

Enterprise Application Development in the Cloud
 2017 UI Tech Forum – The University of Iowa

Activities:

UI Developer: Steering Committee – 2007 - present
 IT Admin: Agenda Committee – 2010 – 2012