

Michael Alberhasky

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Qualifications:

Organized and effective team leader who successfully directs numerous custom application development projects through the entire development life cycle. Demonstrated technical adaptability in 25 years of experience in application development, maintenance, testing, debugging, and system architecture.

Recent Accomplishments:

- Coordinated with application owners, developers, and other stakeholders to migrate our existing fleet of 150+ CentOS virtual machines to new Ubuntu hosts.
- Containerized approximately 80 existing Java applications using Amazon ECS as our container control plane. The project also involved updating our central devops application to integrate with Amazon Cloudformation and ECS to manage deployments.
- Across our department we had three different Elasticsearch installations to collect logs from our various applications. I built a new high-available cluster and worked with the various teams to consolidate all of our logging to one cluster.

Professional Experience:

Cloud and DevOps Team Lead

The University of Iowa – ITS – Infrastructure Team

February 2023 – present Iowa City, IA

Lead a team of engineers that provide core cloud and on-prem infrastructure and services that enable the institution to deliver secure and reliable enterprise administrative information technologies.

- Administer and configure linux servers and container hosts for hosting enterprise applications.
- Provide oversight, leadership and guidance for cloud technologies.
- Build and support CI/CD pipelines for custom application development.
- Build and maintain container images for use in development workflows and production runtimes.
- Deploy and support observability platforms to capture metrics and logs to ensure the delivery of high performant solutions.
- Assist developers in troubleshooting application deployment issues.
- Create and manage load balancer and web application firewall configurations.

Lead Application Developer

The University of Iowa – ITS – Architecture Team

January 2014 – 2023 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, SpringBoot, 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	Docker, Kubernetes
	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