

## SOFTWARE ENGINEERING LEADER

An established application developer and analyst with over a decade of proven experience supporting complex technology projects and commercial product development.

### CORE STRENGTHS

- Software Engineering Leadership
- Integrating Business & Technology
- Continuous Self-Improvement
- Leveraging Cloud Infrastructure
- Enterprise-wide & Web-Focused
- Complex Technical Projects
- Catering to Diverse Stakeholders
- Software Engineering Lifecycle
- Cross-Functional Collaboration

### PROFESSIONAL EXPERIENCE

#### ARIZONA STATE UNIVERSITY | TEMPE, AZ

June 2019 – Current

##### Web Application Developer Sr. | College of Liberal Arts and Sciences

Primary developer for the College's Drupal distribution, adding modules and features to enrich the web presence of 23 academic units and numerous centers and institutes.

- Setup custom domain name support for React front-end application utilizing AWS CloudFront
- Designed and built AWS powered React based front-end application establishing hundreds of websites from a single Drupal instance with a zero-cost serverless architecture.
- Created Drupal modules backed by data from the central API to streamline degree pages.
- Added features and functionality to Drupal modules and React components.

#### UNIVERSITY OF ARIZONA | TUCSON, AZ

October 2015 – Current

##### Applications System Analyst/Developer, Senior | Department of Mathematics

- Migrated Web & DB services to the University's AWS powered Managed Cloud Services environment.
- Developed API to power custom content types in new Drupal based departmental website
- Continuous custom development of departmental information systems using PHP/jQuery/MySQL.
- Created and maintained SQL queries for the university's Oracle data warehouse.

#### SOUTHGATE ACADEMY | TUCSON, AZ

March 2023 – Current

##### Director of Communications and Marketing | Southgate Academy

- Designs and maintains internal and external communications channels.
- Oversees various marketing initiatives and campaigns.
- Serves on the board and supervises a small IT/Marketing Team
- Builds and maintains various custom web forms, tools, and processes.

### PRIOR PROFESSIONAL EXPERIENCE

Information Technology Support Analyst | Department of Mathematics (2012 – 2015)

Systems Administrator & IT Consultant | Southgate Academy (2005 – 2023)

Technical Support Supervisor & Systems Administrator | Dakotacom.net (1998-2005)

### TECHNOLOGY

Drupal, Git, AWS (EC2, S3, RDS, CloudFront, Lambda, CodePipeline, Elastic Beanstalk), Docker, VMWare  
PHP, MySQL, Oracle SQL, JavaScript/jQuery/React/Angular, Python, Java, C/C++, Bash, HTML/CSS/Bootstrap  
Networking (DHCP, DNS, TCP/IP, Routers, Switches, Firewalls), Artificial Intelligence

### EDUCATION & CERTIFICATIONS

#### ARIZONA STATE UNIVERSITY

**Doctor of Philosophy (PhD) - Computer Science (Media Arts and Sciences) – In Progress**

**Master of Computer Science (MCS) - Cybersecurity**

#### UNIVERSITY OF ARIZONA

**Master of Business Administration (MBA) - Management Information Systems**

Bachelor of Science (BS) - Computer Science, Minor in Mathematics / Bachelor of Fine Arts (BFA) - Media Arts

Risk Analyst, Entry Level | Senior Systems Manager | Information Systems Security Professionals | IEEE – Eta Kappa Nu