

## SOFTWARE ENGINEERING LEADER

An established application developer and analyst with 8+ years of proven experience supporting complex technology projects and commercial product development, with demonstrated experience consulting on Information Technology strategy for a variety of industries and organizations.

### CORE STRENGTHS

- Software Engineering Leadership
- Integrating Business & Technology
- Mentoring & Coaching Jr. Staff
- Continuous Process Improvement
- Enterprise-wide Implementations
- Complex Technical Projects
- Web-Focused Solutions
- Software Engineering Lifecycle
- University Systems & Culture

### PROFESSIONAL EXPERIENCE

**ARIZONA STATE UNIVERSITY** | TEMPE, AZ

2019 – Present

#### Web Application Developer Sr. | College of Liberal Arts and Sciences (2019 – Present)

Primary developer for the College's Drupal 8 distribution, adding modules and features to enrich the web presence of 23 academic units and numerous centers and institutes.

- Designed and built AWS powered React based front-end application establishing hundreds of websites from a single Drupal 9 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

2012 – Present

#### Applications System Analyst/Developer, Senior | Department of Mathematics (2015 – Present)

Promoted to the role of primary web application developer for the department.

- 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.
- Virtualized and rebuilt old NFS, Web, DNS, DHCP, and other Linux servers.
- Updated and maintained departmental VMWare VSphere environment and PaloAlto firewall.

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

### PRIOR PROFESSIONAL EXPERIENCE

Independent Filmmaker | Cinematographer, Editor, Writer, Director, Producer  
Southgate Academy | Systems Administrator & IT Consultant

### TECHNOLOGY

MS Office Suite, Adobe Creative Suite, Linux, Windows, Mac OS, VMWare, Git, Docker, AWS, Drupal HTML/CSS/Bootstrap, PHP, MySQL, Oracle SQL, JavaScript/jQuery/React, Python, Java, C/C++, Bash Machine Learning and Neural Networks (TensorFlow, Pytorch), Answer Set Programming & PDDL

### EDUCATION & CERTIFICATIONS

#### ARIZONA STATE UNIVERSITY

Doctor of Philosophy in Computer Science (Arts, Media, and Engineering) – In Progress

Master of Computer Science (MCS) in Cybersecurity

#### UNIVERSITY OF ARIZONA

Master of Business Administration (MBA), Concentration in Management Information Systems

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

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