

SOFTWARE ENGINEERING LEADER

An established application developer and analyst with over a decade 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

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.

- 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

- 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.
- 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)
Independent Filmmaker | Cinematographer, Editor, Writer, Director, Producer

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/Angular, Python, Java, C/C++, Bash
Machine Learning and Neural Networks (TensorFlow, Pytorch), Answer Set Programming & PDDL

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