

DANIEL P. MCGONIGLE

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OBJECTIVE

Dedicated team player and problem-solver looking to become part of an organization for a mutually beneficial relationship that results in shared growth. Well-versed in a variety of programming languages and capable of working alone or as part of an agile development team.

SUMMARY OF QUALIFICATIONS

- Proficient in Java(Swing, Spring Boot, Hibernate), C, C++, VB, Linux, HTML/CSS, JS, Python, PHP
- Certified Scrum Master knowledgeable in Agile framework, Amazon EC2 and S3 Certified
- Six Sigma “Green Belt” trained for process improvement and problem-solving
- 10 years supervisory/management experience with 15 direct reports
- DoD Secret Clearance valid through 2027

EDUCATION

Bachelor’s of Science: Computer Science (2014-2017)

(GPA 4.0 / 4.0)

University of Southern Mississippi, Long Beach, MS

Associate of Science: Computer Science (2012-2013)

(GPA 3.75 / 4.0)

Thomas Nelson Community College, Newport News, VA

Training:

Software Engineering Design	Artificial Intelligence	Computer Architecture I & II
Agile Development Frameworks	Object-Oriented Development	Cardiopulmonary Resuscitation
Java Development	Relational Database Theory	Green Dot/Sexual Assault Prevention
C/C++ Programming	Internet CGI Programming	Six Sigma Green Belt
Database Management	Linear Programming	Oral Communication

EXPERIENCE

Military Training Instructor (07/2014 – 07/2018)

Keesler Air Force Base, MS

Leads development and instruction of two Department of Defense (DoD) courses on web-based platforms and implements technological solutions that enhance the effectiveness of two in-residence DoD courses. Utilizes problem-solving methodologies in agile scrum-based framework to guide team toward refining systems that strengthen the combat capabilities of Air Force management.

- Pioneered Android meteorology training App in Java, infusing 10 college-level training modules into an easy-to-follow delivery format that validates the user's progress with comprehensive knowledge tests.
- Constructed schoolhouse testing database and front end for tracking instructor metrics aimed at identifying positive and negative instructor, section and schoolhouse trends and enacting mitigation strategies that address negative trends and displaying results of SQL queries in straightforward graphical format for interpretation.
- Managed \$1M Information Technology (IT) equipment account that services 50 classrooms for 300 end users, implementing more than 200 fix actions to ensure uninterrupted training and on-time graduation of 50 students per month. Enacted reutilization of 400 pieces of equipment, recapitalizing \$200K in federal government assets.

- Crafted Air Force benchmark blended learning course, fusing distance-learning training modules, college-level Blackboard training and an in-residence capstone exercise in a model lauded by top Air Force leadership as the standard for future Air Force training.
- Created excel-based student tracking program with Visual Basic algorithms for file-handling, data integrity and transfer, and simple user interface to identify instructor focus areas for 600 students per year.
- Composed database-driven student activity website fusing PHP, SQL, JavaScript, HTML and CSS to assist 103 out-of-state students per year in familiarization with the Mississippi Gulf Coast.

Weather Forecaster (07/2010 – 07/2014)
Joint-Base Langley-Eustis, VA

Employs a multitude of software and hardware systems to synthesize environmental intelligence in order maximize combat effectiveness for more than 100 aircraft with total value more than \$10B. Integrates with seven organizational customers in order to deliver timely, accurate and relevant products that adapt to the rigorous demands of changing landscapes.

- Developed database-driven climate program as an aid for key leaders planning 100K troop-withdrawal from Iraq, ensuring smooth operations and successful transition during 2011 drawdown.
- Designed centralized weather hazards intranet page for deployed location, decreasing production time and increasing efficiency by 15% by consolidating resources from five separate areas into a one-stop shop.
- Overhauled 500 pages of documentation detailing standardized weather procedures supporting 100 aircraft and 15K personnel, decreasing miscommunication and rectifying 37 errors and contradictory statements.
- Crafted Visual Basic program to guide users through a step-by-step methodology for producing a sound forecast used in 1K products annually, reducing time spent researching external sources and performing non-essential tasks.
- Implemented and managed consolidated web-based forecast application system, ensuring continuous operations and quality control over the assimilation of more than 50 weather products daily.

Weather Forecaster (05/2007 – 07/2010)
Shaw AFB, SC

Works collaboratively in teams to design and deliver graphical and text-based products that enable decision-makers to plan and coordinate hundreds of missions daily across dozens of locations within Southwest Asia. Applies analysis and problem-solving skills to discern regional and local challenges to operations and effectively communicates relevant intelligence to key players.

- Managed quality assurance program for 120-member organization, implementing an intranet user interface with file-handling functionality to identify and track trends, examining more than 1,200 products and decreasing syntactical forecast errors by 80% over 6 months.
- Flawlessly managed 15-member team's training records, identifying and correcting 52 errors, and contributing to work center's 100% compliance rating during inspection.

AFFILIATIONS

- Air Force Reserve
- American Cancer Society
- Land Trust for MS Coastal Plain
- Habitat for Humanity