John Winko

SOFTWARE ENGINEER | Military Veteran | Master Training Specialist

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Military Veteran with over 20 years' experience working with diverse people, skills, and locations who is pursuing new challenges in the software development field. Team player with a penchant for improving people and processes through mentorship and technology whose hunger for knowledge leads to a low ramp up time. Back-end proficient while full-stack capable, keen aptitude for problem solving and proclivity for research seeking software development role working alongside an expert team with potential for growth into senior roles.

TECHNOLOGIES & CERTIFICATIONS

Languages/Tech Used:	Tools/Libraries:	Certifications:
- JavaScript (React.js)	- Visual Studio / VS Code	- AWS Certified Cloud Practitioner
- Python (Django)	- JetBrains (Rider/PyCharm)	- Master Training Specialist
- SQL (PostgreSQL)	- RESTful APIs (Axios, requests)	
- C# (.Net Core/Framework)	- Git, Bash, Postman	

RECENT PROJECTS

Code Platoon Central (https://cpcentral.johnwinko.com)– Portal site for coding bootcamp students and staff.
- Python/React Full-stack app developed by team using Kanban on Trello
- Centralizes curriculum delivery/modifications, attendance tracking, social information, student/instructor/TA specific landing pages, providing and viewing feedback and other associative information
- Entropic randomizer for pair programming and assigning to groups for activities, site full-text search, questionnaire/poll generation and tracking

Digital Kitchen (https://digitalkitchen.johnwinko.com**)**– Recipe browsing and planning.
- Python/Django back end, React front end hosted on AWS EC2
- Features: browsing, searching, importing from other websites, and saving recipes from two 3rd party APIS. CRUD-ing favorite recipes including steps, ingredients, and nutrition information. Keyword preferences displayed on browse/search to emphasize match/mis-matched ingredients.
- JSON web token (JWT) authentication using RESTful API

Blogging Template (https://netcore6blogjw.herokuapp.com**)**– Web app for multiple blogs and authors.
- Built on C#, .Net Core 6, and Entity Framework backend and ASP.Net frontend using MVC architecture
- Implements Tiny Cloud Editor for WYSIWYG article creation and editing.

Sudoku Solver (In progress)– Full stack web app to generate, play and solve Sudoku puzzles
- Python/Django with Postgres database backend to generate and solve sudoku puzzles
- Implements RESTful API with Django Rest Framework
- Generates step by step solutions to valid puzzles, assigns difficulty based on required algorithm complexity
- React front end displays playable puzzle board with step hints and complete solutions

EXPERIENCE

United States Navy   2001 – 2022

Instructor, North Chicago, IL   2019 – 2022
- Taught basic engineering skills and shipboard familiarity to accession level Sailors
- Recertified as a Master Training Specialist. Advised on future curriculum modalities and benchmarks
- Generated lesson plans and supplemental materials for over 100 engineering topics covering 190 instructional hours of material

Engineering Supervisor, Leonardo, NJ   2016 – 2019
- Supervised 8 engineers in the maintenance, operation and repairs of Harbor Security Boats, Oil Spill Response Craft and Harbor Operations Equipment through 1285 maintenance actions
- Authored a technical report for service specific maintenance requirements and procedures for Yamaha and Honda outboard engines
- Advised regionally on initiatives to improve maintenance effectiveness and emergency response tactics

Instructor, North Chicago, IL   2013 – 2016
- Led 37 civilian and military instructors across 2 shifts in the initial swim qualification and remediation of over 120,000 recruits achieving a 99.7% pass rate, doubling the previous year's daily pass rate saving $250K in training costs

- Qualified as Master Training Specialist. As part of the Command Training Team, provided workshops on topics including sexual harassment, workplace diversity, suicide awareness and equal opportunity
- Redesigned and normalized the legal department (RLSO) database. Hardened electronic security policy and integrated with MS Office products for form letter and report generation

Project Manager, Bangor, WA   2009 – 2013
- Coordinated with 8 ship superintendents on the repair and refit of floating and strategic assets
- Conducted C-level executive briefs for critical repair strategies and scheduling
- Iterated and maintained the SharePoint intranet for personnel management, LEAN tracking metrics and production goals.

Engineering Supervisor, Mayport, FL   2006 – 2009
- Supervised 14 engineers in the maintenance, operation and repairs of Harbor Security Boats, Oil Spill Response Craft and Harbor Operations Equipment through 3250 maintenance actions
- Directed the removal of 8500 gallons of hazardous waste during an unexpected oil spill
- Managed watch team of 59 personnel in the 24-hour operation of the Mayport port basin

Mechanical Engineer, Various   2001 – 2006
- Conducted routine maintenance
- Saved $1.1 million by restructuring Force Protection contract while meeting minimum security requirements
- Created an evacuation contingency database to track PII of personnel and their families during disasters generating executive level maps with pins and hurricane path overlays.

EDUCATION

Code Platoon - Full Stack Web Development Bootcamp, Chicago, IL   Jan 2022 – May 2022

Capella University - BS in Information Technology, Minneapolis, MN   May 2016
  Summa Cum Laude with minor in Web Applications

Florida State College at Jacksonville - AA in General Studies, Jacksonville, FL   2012

Free Code Camp   Oct 2021-Present
  JavaScript Algorithms and Data Structures
  Responsive Web Design