

ANDREW F. DEW

Full-Stack Software Engineer | Special Forces Veteran

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Tactical Communications Expert and Software Engineer with Project Management experience. Extensive background in installing and operating communications software and hardware, including geospatial location and imagery software. Pivoting into a full-stack software engineering role with hands-on experience in multiple languages, tools, and Agile methodologies.

TECHNOLOGIES and SKILLS

Languages & Frameworks: Python, Django, JavaScript, React.JS, PostgreSQL, HTML, CSS

Technical: Git, GitHub, Bootstrap, Test-Driven Development, Object-Oriented Programming, Pair Programming, Object-Relational Mapping, Agile Methodologies, Unit Testing

Foreign Language: Levantine-Arabic (Department of Defense Level 1+ Elementary Proficiency)

Professional Skills: Problem-Solving, Adaptability, Self-Awareness, C-Suite Level Communication, Planning, Communication Strategy, Critical Thinking, Emotional Intelligence, Remote Collaboration, Digital Communications Tools

RECENT PROJECTS & PROFESSIONAL DEVELOPMENT

Code Platoon – 15 Week Full Stack Web Development Bootcamp, (with 2 months of Pre-work) **NOV 2023 - May 2024**

National Park Planner- Web app for users to plan trips to National Parks and receive current alerts for visits. ([Project Link](#))

- Built on React.JS front-end and Django back-end using a PostgreSQL database, incorporated the National Park Service API for real-time alert data and the Mapbox API for park travel directions and locations.

Transparent Budget Decisions- Collaborative web app project to track personal finances.

- Led this culminating project from design to deployment; managed design, pull requests, version control, testing integration and individual scope of work assignment through Agile methodologies.
- Built on React.JS front-end integrating Google Firebase for multiple authentication methods and Firestore for database management, tracked account transactions, budget levels, and recurring expenses.

EXPERIENCE

5th Special Forces Group - U.S. Army

2012 - 2024

- **Cross-Functional Team Lead:** Led project management team to assess and solve complex stakeholder problems; exceeded expectations for team formation, preparation and training for global employment by two months.
- **Program Manager:** Redesigned a Department of Defense program budgeted at over 2 million dollars, implemented changes increasing program output by 125% and exceeded Department of Defense key performance indicators.
- **Operations Manager:** Briefed policymakers, high-level U.S. Embassy leaders, and stakeholders on situation assessments from isolated and austere areas to identify concerns and articulate key performance indicators for senior-level strategic decisions.
- **Resource Manager:** Integrated and tested Link-16 data link radio system in conjunction with the Android Team Awareness Kit to create an innovative capability; liaised with commercial manufacturer to provide performance data to drive software changes.
- **Communications Specialist:** Installed and maintained satellite deployable node communications and established integrated computer networks across 5 sites for over 9 months with a 99% service connection, corrected any service interruption within two hours.
- **Intelligence Analyst:** Created a unit-level database containing over three years of events on the CACI Fusion Analysis Development Effort program that was adopted by the wider enterprise, established enduring awareness tool for regional stakeholders.
- **Simulator Instructor:** Produced over 30 hours of simulator system scenario program scripts during the replacement of an outdated system, automated over 15 course simulations to create objective student performance metrics.
- **Lead Instructor:** Developed training for geospatial location software, implemented a testing program to certify over 400 personnel on the ability to generate precision location data for the Department of Defense
- **Courseware Designer:** Oversaw 192 hours of courseware creation and modification with changing regulations and procedures; recognized by stakeholders for leadership during national-level course accreditation and review.

EDUCATION and CERTIFICATION

Scaled Agile Inc., *Certified SAFe 6 Practitioner*

2024

Institute of Project Management, *Certified Project Director*

2023

Fayetteville Technical Community College, Associate Degree, *General Studies*, Fayetteville, NC

2012

- Phi Theta Kappa Honors Society