

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, (*Honor Graduate*) **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. ([Site Link](#))

- 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.
- Developed a React.JS front-end integrated with Google Firebase for deployment, featuring multiple authentication methods and Firestore for efficient database management. Tracks account transactions, manages budget levels, and seamlessly handles 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