# Daniel Pickert

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Mission-driven software engineer with 8+ years delivering innovative solutions for critical DoD systems. Energized by emerging technologies and committed to solving tomorrow's challenges in the cloud.

## Skills

- Active TS/SCI Clearance
- Languages: HTML5, CSS3, JavaScript, SQL Server, C#, XQuery, Python, Java, Node.js, EJS, MongoDB
- Frameworks: .NET, Entity Framework, React, Express, Kendo UI, jQuery, Mongoose, Django
- Cloud/DevOps: AWS, Terraform, Kubernetes, Docker, GitHub Actions (CI/CD)
- Tools: Red Hat Enterprise Linux, Apache Tomcat, VMware, Visual Studio, TFS, Git, GitHub, IntelliJ, PuTTY, WordPress, MarkLogic, SharePoint, Apache FOP, Bootstrap, STIG Viewer, Windows PowerShell
- Certifications: AWS Solutions Architect - Associate, AWS Cloud Practitioner

## Experience

**IPSecure, Inc. | Lead Software Engineer | Patrick Space Force Base, Melbourne, Florida**    May 2023 - Present

- Lead the development, deployment and maintenance of software within the classified AFTAC computer environment, spanning a diverse range of operating systems, applications, and security configurations while adhering to strict standards and policies
- Own the full lifecycle of software delivery for the Metis XII Task Order, resolving critical bugs, implementing new features, and deploying mission-critical solutions to JWICS (Top Secret) production environments for hundreds of application users
- Migrate millions of documents in successful database migrations outside of MarkLogic, NoSQL databases
- Develop and maintain XML pipelines, ensuring data integrity and efficient processing for classified files
- Create Plans of Action and Milestones (POAMs) to address vulnerabilities identified in Fortify scans, strengthening system security and ensuring compliance across projects
- Assess and validate software configurations against STIG checklists to ensure application components meet required security baselines
- Document and manage Standard Operating Procedures (SOPs) to drive consistency, facilitate knowledge transfer, and promote operational efficiency
- Utilize secure networks such as JWICS, SIPR, and NIPR to support highly sensitive operations and comply with the confidentiality, integrity, and availability of highly sensitive information
- Collaborate with cross-functional teams to gather requirements, provide technical insights, and communicate progress on key initiatives
- Supporting applications and languages include JavaScript, XQuery, Java, OpenText's Livelink, NetOwl entity extraction, MarkLogic Server, Apache Tomcat, and Red Hat Enterprise Linux

**Spin Systems (SpinSys) | Software Engineer | Washington, D.C.**    September 2018 - May 2023

- Provided full-stack engineering support on multiple software applications for the Department of Defense, including the FedHealthIT Innovation award-winning NICoE, leveraging C#, .NET, and SQL best practices
- Led effort on building the modernized CarePoint application used on a daily basis by the DoD community
- Assisted in migration and development support for solutions in the CarePoint environment: Coder Manager, Coding Help Desk, PASBA Home Page, NICoE and Ektropy
- Applied reusable code design and design patterns using object-oriented programming in .NET
- Developed technical design documentation based on functional design specifications and implemented solutions using C#, SQL, and Entity Framework
- Collaborated with a team of developers, business analysts, UX designers, infrastructure architects and quality assurance testers to ensure the successful delivery of integrated solutions meeting business needs
- Engaged in daily Agile Scrum calls and worked cohesively in communication with exceptional teams of senior engineers, QAs, BAs, PMs and company executives
- Trained and mentored new developers with regard to daily operations and improving skillset in .NET development, C# programming, and SQL Server

## Education

**Digital Cloud Training | AWS Cloud Mastery and Essentials | Orlando, Florida**    January 2025 - Present

**General Assembly | Web Development Immersive Student | Washington, D.C.**    May 2018 - August 2018

**University of Florida | B.S. in Telecommunications | Gainesville, Florida**    August 2012 - August 2016

- Recipient of Florida Bright Futures Scholarship

## Personal Projects

(Most recent listed first)

### Movie Recommender
Developed a full-stack, trending movie platform integrating the TMDB API with React and FastAPI
- Built RESTful API endpoints in Python (FastAPI) to fetch and cache movie data
- Created a front-end interface with React and CSS, using Vite for build and local development
- Implemented secure API access with CORS and .env environment variables
- Executed locally with Python backend and Vite frontend development server

### Photo Uploader with AWS & Kubernetes
Engineered a cloud-native image uploader leveraging AWS services and Kubernetes orchestration
- Configured backend services in Python (FastAPI) for handling image upload requests
- Provisioned cloud infrastructure with Terraform and utilized AWS S3 for scalable file storage
- Integrated GitHub Actions CI/CD pipeline to build Docker images, push to AWS ECR, and deploy automatically to AWS EKS
- Containerized locally with Docker and Kubernetes for development and testing

### Rap Live
Designed and launched a real-time webcam-to-webcam freestyle rap battle platform
- Implemented live peer-to-peer video streaming using WebRTC via the Bistri API
- Developed interactive UI components with JavaScript, Bootstrap, HTML, and CSS
- Delivered a social experience for users to join a room, select beats, and freestyle remotely
- Deployed on GitHub Pages for live access

### The Recipe Hub
Created a cooking assistant application that generates recipe options based on user-input ingredients
- Developed frontend in React with a backend powered by Node.js and Express
- Integrated the Food2Fork API to provide up to 30 recipe suggestions per query
- Implemented search-by-ingredient with a user-friendly interface
- Deployed on Surge, making the application publicly accessible

### Magic Traffic: an Orlando Magic Fan Page
Built a secure fan community platform with authentication and content posting features
- Designed backend with Node.js and Express using MongoDB/Mongoose for data persistence
- Created templating and dynamic views with Handlebars
- Implemented user authentication with Passport.js and comment posting features for fan engagement
- Hosted on Heroku with integrated MongoDB backend

### Dovecote Farm Wine
Crafted the official website for a family-owned vineyard in Virginia's Blue Ridge Mountains
- Built the storefront with WordPress and customized with the Shapely Theme
- Enhanced site design using Elementor and CSS
- Integrated Square for secure online wine purchases
- Deployed website for public access, enabling direct browsing and purchasing

### The Office Trivia Game
Constructed an interactive quiz for fans of The Office, generating dynamic results with GIFs
- Programmed logic and scoring with JavaScript
- Designed user interface with HTML and CSS
- Users receive dynamic GIF response based on final score performance
- Deployed via GitHub Pages for interactive play