

DAN HERNANDEZ

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SOFTWARE ENGINEER

Analytical, collaborative Software Engineer accountable for the design, development, testing, and maintenance of software applications. Create original code, build reusable code for future use, and monitor performance of the software. Provide technical support for software users or clients.

- Software Solutions Design
- Test / Maintenance
- Defects / Errors / Debug
- Project Management
- Continuous Integration / Development
- End-user Focused / Stakeholder Relations
- Requirements Implementation
- End-to-End Software Life Cycle

TECHNICAL

Languages: C#, C++, JavaScript, SQL, MySQL, React, HTML, CSS

Frameworks: .NET Framework, .NET Core, .NET, ASP.NET, WPF, WinForms

OS Platforms/Source Code: Windows, Linux, UNIX; Git, SVN

DevOps: GitLab CI/CD, Jenkins, Docker

Shells/Tools/Testing: Vim, Bash; NUnit, Selenium

Project Management: Azure Boards, Atlassian (JIRA, Bitbucket, Confluence)

Other: Remote Pair Programming; Test-Driven Development; Agile; Scrum; XP

EXPERIENCE

NEXTGEN HEALTHCARE | Remote, Irvine, CA

2022-1/2024

Software Engineer II – Electronic Healthcare Records (EHR)

- Developed/tested/deployed manual, automated, and performance scripts to contribute impactful improvements in company modules. Refactor legacy code to facilitate modernization efforts.
- Led end-to-end software test life cycle to identify, address, and correct defects.
- Coached engineers during design and code reviews to identify areas for improvement, fostering a collaborative team environment.
- Collaborated within the programming department and cross-functionally to drive release activities, execute regressions, and analyze failure for timely sign offs.
- Deployed software patches to support Electronic Healthcare Records, Denver Release.
- Utilized Windows Presentation Foundation (WPF) in front-end patchwork
- Performed back-end database updates using SQL to maintain system functionality
- Deployed software patches to adhere to new EHR customer requirements utilizing C#, WPF in updating desktop front-end application UI.
- Performed back-end database updates utilizing SSMS and SQL to maintain system functionality.

NAVAIR | Oxnard, CA

1/2017-2022

Computer Scientist – Naval Air Warfare Command Weapons Division

- Developed/tested/deployed embedded software solutions for F-35 Interoperability/Electronic Warfare Effects.
- Trained in extreme programming XP software development methodology.
- Obtained Secret Security Clearance (expired).
- Collaborated in development of Intel Data File web application diff comparison tool. Deployed web data driven application using Pivotal Cloud Foundry (PCF) platform.
- Developed Full Stack Data Auditor web application version 2.0 with application-specific validation rules. Front-end development UI built using React and React Testing Library. Performed back-end database updates utilizing MySQL, PostgreSQL.
- Spearheaded F-35 Continuous Integration/Continuous Development (CI-CD) pipeline, setting up an automated rapid deployment pipeline utilizing Jenkins and Docker containers for automated deployment of Mission Data File MDF software.
- Created a microservice connecting to MongoDB, delivering a web application for NAWCWD aircraft databases utilizing Docker, C#, JavaScript, React technologies.
- Developed a modular design software replacement for unmanned vehicle Fire Scout MQ-25 legacy software utilizing existing Fire Scout Core library, C++, Visual Basic, and C# technologies.

NORTHROP GRUMMAN | Sierra Vista, AZ

6/2015-2016

Software Engineer I – IAI RQ-5 Hunter

- Collaborated in developing communications uplink channels (UPL-1 and UPL-2), focusing on patch updates for legacy software utilizing C++, VMWorks technology for hardware in the loop testing.
- Implemented software upgrades for GCS-3000 ground control station legacy systems in support of a system upgrade from Solaris 8 to Red Hat 7.

EDUCATION

BS, Computer Science, California State Polytechnic University, Pomona, CA

MILITARY

US NAVY | Atsugi, JP

1/2000-2003

Aviation Electrician – Rank: E3

- Trained in Aviation Electronics S3-Viking Electronic Warfare Aircraft.
- Demonstrated strong leadership and teamwork skills in high-pressure environments on board Aircraft Carrier Kitty Hawk.
- Medal Awarded, Operation Enduring Freedom.