



Daniel Holterhaus

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WWW

<https://github.com/k0nig1>

Skills

Languages & Frameworks:

C, C++, C#, Java, Python, JavaScript (React, Node, Angular, TypeScript), HTML/CSS, SQL, NoSQL

Backend & APIs:

Node.js, Express, Flask, Spring Boot, REST, GraphQL, Microservices, Serverless, Event-Driven Architectures

Results-driven technologist with 9+ years of experience leading full-stack software development in government, defense, and startup environments. Former TS/SCI clearance holder with expertise in Agile leadership, cloud architecture, and secure systems design. Proven record of managing multimillion-dollar government contracts and delivering compliant, mission-critical solutions.

Career History

2024-07 -
Current

Founder and Lead Developer

Outer Banks Vacay, Remote

- Designed and launched a cross-platform travel app for Outer Banks, NC using Ionic React, Firebase, and Capacitor.
- Led end-to-end development, including UX design, feature implementation (live radio, weather, location-based content), and deployment.
- Collaborated with stakeholders (East Carolina Radio) and managed client support to ensure alignment and user satisfaction.

2023-12 -
2024-07

Data Engineer

Booz Allen Hamilton, Stuttgart

- Built React.js dashboard for CJADC2, enabling real-time battlefield data visualization for U.S. Army commanders.
- Managed Docker/Kubernetes deployments in AWS GovCloud and on-prem DoD environments.
- Integrated live sensor feeds and GIS data with WebSockets, Leaflet.js, and Mapbox.
- Ensured full compliance with RMF, NIST 800-171, and CMMC cybersecurity standards.

2020-08 -
2023-12

Software and Project Engineering Roles

NSWC Dam Neck Activity, Virginia Beach, VA

- Led architecture, development, and deployment of mission-critical U.S. Navy training and operational software using Java, AWS, and modern JS frameworks.
- Oversaw Joint After Action Review (JAAR) system development; managed cross-functional teams and ensured full compliance with DoD acquisition and cybersecurity standards (STIGs, RMF,

Frontend & UI Development:

React.js, AngularJS, Ionic, Redux, Material UI, WebSockets, Mapbox, Leaflet, Responsive Design

Cloud & DevOps:

AWS, Docker, Kubernetes, Terraform, Jenkins, GitHub Actions, CI/CD, Monitoring & Logging

Data Engineering & ML:

Databricks, Data Pipelines, Data Warehousing, TensorFlow, PyTorch, Feature Engineering, Predictive Analytics

Security & Compliance:

RMF, STIGs, CMMC, NIST 800-171, OAuth2, JWT, TLS 1.3, Encryption, Zero Trust Architecture

Tools & Systems:

Git, Jira, Confluence, Visual Studio, Linux (Red Hat, Debian), Windows Server, VMware, PowerShell, Bash

Certifications &

Methodologies:

Certified Scrum Master (CSM), Agile (Scrum, Kanban, SAFe), Risk Management, Stakeholder Communication, Actively seeking CompTIA Security+

2018-07 -
2020-08

2017-11 -
2018-07

2016-11 -

DIACAP).

- Implemented Agile processes across teams, improving delivery speed, reducing technical debt, and increasing end-user satisfaction by 30%.
- Directed multiple concurrent projects with multimillion-dollar budgets, delivering scalable, high-availability systems on time and within scope.
- Integrated real-time data processing and feedback loops into training applications, enhancing operational readiness and debrief efficiency.
- Mentored junior engineers and improved DevOps practices, including CI/CD pipeline enhancements and cloud cost optimizations.
- Collaborated directly with Navy stakeholders to gather requirements and iterate solutions under tight operational constraints.

Scrum Master/Software Developer

Gilbarco Inc., Wake Forest, NC

- Developed and modernized POS solutions using C#, C++, Visual Basic 6, and JavaScript frameworks, improving reliability and reducing operational costs.
- Led Agile ceremonies (sprint reviews, standups, retrospectives) to foster collaboration and drive continuous improvement.
- Built and deployed scalable, modular software products; troubleshooted complex issues and documented solutions to enhance support knowledge base.

Software Engineer

StealthPath, Reston, VA

- Developed an IoT provisioning platform in C/C++, including rapid prototyping, testing, and deployment of new capabilities.
- Wrote maintainable, scalable code and documentation in a collaborative team environment to support long-term growth and knowledge sharing.

Technical Consultant

2017-11

TeraThink Corporation, Reston, VA

- Delivered technical consulting and developed a Java/AngularJS financial software suite for the Comptroller of the Joint Staff, ensuring DoD audit and regulatory compliance.
- Modernized legacy systems to improve efficiency, data accuracy, and security; reduced financial reporting errors by 30% through automation.
- Trained Comptroller staff and supported risk mitigation efforts, enhancing audit readiness for multibillion-dollar budget allocations.

2015-05 -
2016-11

Software Engineer

WR Systems Ltd., Norfolk, VA

- Developed real-time processing for mission critical systems using C and C++.
- Prototyped digital-to-synchro conversion software.
- Developed real-time processing for mission critical systems
- Performed technical research.
- Scheduled design milestones and internal testing.

Additional Technical Roles

- Software Engineer Intern | Exelis Geospatial Systems | 2014
- Information Systems Technician Petty Officer | United States Navy | 2004-2009
(Details available upon request)

Education

2016

Bachelor of Science: Computer Engineering

Old Dominion University - Norfolk, VA

- Applied for and was awarded \$5,000 in funding for the CAPSTONE senior design project.
- Built and Co-Lead a team of 12 student engineers from Mechanical, Electrical, and Computer Engineering backgrounds
- In three semesters, had enough built to apply for

- competition
- Created control processes in hopes of perpetuating the above effort. The team is still going strong today.

2013

Associate of Science: Engineering

Tidewater Community College - Norfolk, VA
Accounting and Economics, Business Statistics,
Business Administration, High Level Mathematics

Languages

- English (Native)
- German (B2) [In Progress]

Hobbies

Outdoor Recreation, Travel, Guitar, Sports,
Swimming, Supporting STEM education initiatives
and mentorship programs, Strategy Games,
Historical Exploration

Certifications

- Certified ScrumMaster (CSM) , Scrum Alliance®,
Greensboro,VA 04/2019, Credential ID: 1047157
- Top Secret/SCI - Loss of Jurisdiction by DoD CAS
on 2024/08/16

Accomplishments

- Modernized POS and self-checkout systems at
Gilbarco, leading a six-person team and
reducing defects by 6% via automated testing.
- Built high-availability financial systems for DoD,
including a COOP environment and recovery of
\$20.8M in funds.
- Recognized for early system integration at NUWC;
led senior design team to national robotics
competition.