

# Nicholas DiMartino

Software Engineer

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Software Engineer with two years of previous experience as an Embedded Software Engineer and one year as a Full Stack Software Engineer. I have a knack for creating highly organized and structured code. With grit and professionalism instilled in me during Air Force Basic Training, I tackle challenges with a positive, focused mindset.

## SKILLS

**Languages** - TypeScript, JavaScript ES6, C++, Python, Tailwind CSS, CSS3, HTML5, EJS

**Libraries and Frameworks** - Next, React, Node, Express, Django, Ruby on Rails, Mongoose, Jest, JSON

**Databases** - MongoDB (Non-Relational/NoSQL), Prisma (Relational/PostgreSQL)

**Other** - Git, AWS, RESTful API, JSON, OAuth, Postman, IBM ClearCase, IBM Rhapsody

## PROFESSIONAL EXPERIENCE

**Founding Engineer/Chief Technical Officer**, Sharp Actions Sports | Remote, US

**May 2024 - Present**

- Conducted research and proof-of-concepts for new technologies to enhance product offerings and keep the company at the forefront of industry trends.
- Implemented security measures and protocols to protect user data and ensure compliance with industry standards.
- Established and enforced coding standards, best practices, and conducted thorough testing to ensure code quality and maintainability.
- Defined and executed the company's technological vision, strategy, and roadmap to support business goals and drive innovation.
- Oversaw the end-to-end development and delivery of high-quality software products, ensuring alignment with market needs and company objectives.
- Addressed complex technical challenges, optimized performance, and ensured high availability and reliability of the product.

**Full Stack Software Engineer - Fellow**, General Assembly | Remote, US

**January 2024 - May 2024**

- Completed a full-time Software Engineering Bootcamp, comprising over 420 hours of intensive professional training spanning twelve weeks.
- *TriFit E-Commerce Site* | Next, React, TypeScript, JavaScript ES6, Tailwind CSS, Node, Prisma, OAuth, Git, HTML5, CSS3
  - An E-Commerce site with an admin and customers: [github.com/nickldimartino/trifit-ecommerce](https://github.com/nickldimartino/trifit-ecommerce)
- *TriFit* | React, TypeScript, JavaScript ES6, Tailwind CSS, Node, MongoDB, Express, RESTful API, OAuth, Jest, Git, HTML5, CSS3
  - A full stack personal fitness journal application: [github.com/nickldimartino/trifit](https://github.com/nickldimartino/trifit)
- *AI Platforms: A CRUD-ton!* | JavaScript ES6, Node, MongoDB, OAuth, Jest, RESTful API AI Chatbots, Postman, HTML5, CSS3
  - A full stack CRUD application with AI chatbots: [github.com/nickldimartino/ai-platforms-a-crud-ton](https://github.com/nickldimartino/ai-platforms-a-crud-ton)

**Embedded Software Engineer 2**, General Dynamics Missions Systems | Dedham, MA

**December 2021 - December 2023**

- Created standardized procedural and troubleshooting guides for the engineering department to narrow the knowledge disparity between seasoned and junior engineers.
- Leveraging expertise in a specialized product domain, I mentored six new team members through the procedures, leading to accelerated onboarding and enhanced system comprehension among the whole team.
- Designed a VLAN feature utilizing event-driven software and cryptographic principles to serve as an intermediary between two interfaces. This innovation facilitated efficient communication of network traffic between the user interface and the network interface, enhancing overall functionality.
- Managed version control of C++ source code and incorporated four new features while preserving existing functionality on Real-Time Operating Systems (RTOS), embedded systems, and debugging/unit test software.
- Adhered to Agile/Scrum methodology and employed CI/CD practices to guarantee prompt delivery of five software projects, utilizing IBM ClearCase for version control.
- Conducted over twenty reviews aimed at enhancing code quality and ensuring compliance with stringent security standards.

**Software Engineer Intern**, Wilcox Industries | Newington, NH

**May 2019 - September 2019**

- Collaborated on a team of four to develop a software prototype that effectively showcased the viability of a novel research concept, establishing a foundation for the company to seamlessly continue the project upon our team's departure.
- Designed a unique UI/UX frontend interface from scratch utilizing Android Studio, Java, Kotlin, CSS, and HTML to establish connectivity with an external camera via Bluetooth and USB on an Android phone app.

**Aircraft Technician**, US Air Force - Air National Guard | Westfield, MA

**August 2016 - August 2022**

- Provided training and mentorship to junior technicians in aircraft maintenance and repair, specializing in F-15 Fighter Jets.
- Successfully completed Air Force Boot Camp and fulfilled a six-year enlistment, earning Veteran status upon separation.

## EDUCATION and CERTIFICATIONS

**AWS Cloud Practitioner: Foundational** | Amazon Web Services (AWS)

**April 2024 - April 2027**

**General Assembly** | Software Engineering Bootcamp | Remote

**January 2024 - May 2024**

**University of Massachusetts Amherst** | Bachelor's of Science in Computer Engineering

**August 2016 - May 2021**