# Nick Aldridge
Software Developer
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## Skillsets

- Python
- Javascript
- HTML/CSS
- Node.js
- React
- PostgreSQL
- RESTful API
- Basic NetAdmin
- VBA
- Kivy

## Education

DigitalCrafts | Full-Stack Web Development | Houston, TX                                          *May – Aug 2021*
Joint Network Attack Course | USAF | Pensacola, FL                                               *Aug 2016*

## Work Experience

**Software Developer**
Flow Valve LLC, Sulphur, OK                                                                      *11/2021 - Present*
- Designed and implemented full-stack applications to increase productivity, efficiency, and effective data visualization with front-end UIs, RESTful APIs, and SQL databases.
- Built custom hardware and software technical solutions for Quality Control operations of essential product-line across CNC machines, assembly, and certification testing.
- Augmented IT Manager for Server/Database management and security to maintain SAP SQL Database for timely and accurate product/sales reporting.
- Managed small-teams for ad-hoc project taskings to ensure timely deployment.

**Senior All Source Intelligence Analyst**
Staff Sergeant, USAF Ft. Meade, MD                                                               *08/2007 – 08/2017*
- Developed and presented target analysis products to NSA/USCYBERCOM leadership as a member of a 64-member National Mission Team
- Managed 14-member intelligence analysis team; utilized multi-platform collection to analyze and report battlefield intelligence for ground units in CENTCOM AOR
- Supported 3 CENTCOM campaigns; provided security forces threat awareness briefings to enhance base defense measures
- Aircrew member aboard MQ-1 and MQ-9 aircraft for Launch and Recovery Element, Kandahar Airfield, Afghanistan

## Projects

**Production Quality Control App**
- Product-line checklist app to track assembly progress, highlight out-of-tolerance measurements, and alert QC of issues regarding product assembly.
- React UI with simple user authentication and role-based authorizations, Node.JS API hosted on an internal server deployment and PSQL database back-end to track assembly instructions, user alerts, and role permissions.

**CNC Machine Status Tracker**
- Hardware/Software solution to process G/M Code output during production.
- Designed SBC (single-board computer) system to communicate with CNC machines and relay custom alerts to a server during production, enabling remote monitoring and metric tracking for management.