

Jonathan Abuelouf

Data Analysis | Operational Reporting | Project Delivery

jonathan@abuelouf.com | 901.488.6158

github.com/Jabuelouf | Tableau portfolio



Explore my work
jabuelouf.me/projects

PROFILE

Operations professional who uses data to solve practical problems, drawing on experience in aviation maintenance, flight testing, and fulfillment operations. My hands-on background helps me translate technical information into clear reporting and practical tools for the people making decisions. I have built dashboards and workflows, analyzed operational tradeoffs, and worked with engineering and operations teams to make the results useful in daily work.

SKILLS

Analysis: Python, pandas, SQL, Google BigQuery, R, statistical testing, financial modeling, data integration, cleaning and validation.

Reporting: Excel reporting and pivot tables, Tableau, Spotfire, Power BI, PowerPoint, technical and user documentation.

Delivery: Project scoping, requirements definition, workflow design, cross-functional coordination, testing, process improvement, Power Apps, Power Automate, SharePoint, Salesforce, AWS Lambda, DynamoDB, Git.

PROFESSIONAL EXPERIENCE

Amazon | RME Tech II

November 2024 - August 2026

- Performed preventive and predictive maintenance on conveyor and automation equipment. Used mechanical, electrical, and controls troubleshooting to identify faults, coordinated repairs with Operations and Engineering, and maintained work orders and equipment history in APM.
- Built and deployed a Slack overtime workflow with Python, AWS Lambda, and DynamoDB to coordinate requests, approvals, and available hours across six shifts.
- Modeled advancement costs, replacement costs, and management capacity to inform a technician staffing proposal and explain its financial tradeoffs.
- Developed a WinUI 3 maintenance workstation prototype combining equipment views, alarms, SQL reports, and a parts lookup covering more than 104,000 records for engineering review.
- Designed a cross-shift approval process involving Safety, Operations, and Maintenance to address conflicting facility requests and avoidable rework.

Viasat | WiFi System Maintenance / Data Analysis

August 2023 - July 2024

- Inspected, troubleshooted, and repaired aircraft WiFi systems; coordinated troubleshooting with customer support and engineering. Used Salesforce and customer electronic logbooks to document maintenance and maintained Part 145 station records.
- Worked with the airline's data engineering team to arrange database access. Used SQL-backed Spotfire views and Salesforce fleet records to identify WiFi maintenance opportunities for airline and Viasat coordinators, with three-minute updates and two-hour email snapshots.
- Utilized Excel, Power Automate, and SharePoint to improve inventory reporting across maintenance stations.
- Used Power Apps and Power BI to develop an inventory interface with record editing, installation verification, and stock indicators. Wrote instructions to support station employees using the application.

Jonathan Abuelouf

Data Analysis | Operational Reporting | Project Delivery

EXPERIENCE CONTINUED

FEAM | On call A&P/Avionics / Data Collection

January 2022 - October 2022

- Built automated maintenance-tracking forms with AcroScript and JavaScript while providing on-call maintenance for multiple airline customers.
- Inspected incoming aircraft, debriefed crews, addressed logbook discrepancies, and troubleshoot aircraft systems using fault-isolation manuals.

Mitsubishi Aircraft Corporation America | SpaceJet M90 Flight Test Sub-Lead Mechanic / Data Collection and Analysis

December 2018 - June 2020

- Recorded flight-test instrumentation data and reported results to engineering. Used Excel and Tableau to analyze trends during SpaceJet M90 testing.
- Worked with engineering on practical, airworthy solutions to achieve the required flight-test results.
- Set daily goals, assigned work to mechanics, and verified that maintenance and quality-control sign-offs were complete.

EARLIER EXPERIENCE

Wheels Up | Unscheduled A&P | October 2022 - August 2023

Provided line maintenance for Citation X, Citation Excel, and King Air 350 aircraft; inspected arrivals, debriefed crews, and troubleshoot logbook discrepancies.

Launch Technical Workforce Solutions (Delta Airlines) | A&P / Data Collection | February 2021 - April 2021

Entered aircraft logbook details into maintenance-tracking software, reviewed recurring write-ups, and communicated possible solutions to the customer while supporting Airbus maintenance.

Fast Fix | Computer and Smartphone Technician / Marketing Data Collection and Analysis | December 2010 - May 2014

Repaired computers and smartphones; managed AdWords campaigns, search-engine optimization, website content, and advertising graphics using Photoshop and Illustrator.

PROJECTS

Aircraft Maintenance Reporting | Viasat

SQL, Spotfire, Excel | [Case study](#)

Inventory Reporting & Application | Viasat

Excel, Power Automate, SharePoint, Power Apps, Power BI | [Case study](#)

Workforce Planning Analysis | Amazon

Python, pandas, financial modeling | [Case study](#)

US Traffic Accident Analysis | Flatiron School Capstone

Python, pandas, SciPy, Tableau | [Repository](#) | [Dashboard](#)

Cyclistic Ride-Share Analysis | Google Data Analytics Capstone

R, SQL, Google BigQuery, Tableau | [Notebook](#) | [Dashboard](#)

EDUCATION & CERTIFICATIONS

Amazon Career Choice x Flatiron School Data Analytics Certificate of Completion | January 2026

Google Data Analytics Professional Certificate | January 2023

Tennessee College of Applied Technology | Aircraft Maintenance | 2015-2016