

# JAMES MICHAEL BALLOW

Passionate software engineer and problem-solver. Skilled in software engineering and using innovation and automation to solve short- or long-term problems.

Professional philosophy: "Great work comes from a balance of risk, cost, prayer, and perseverance". Personal philosophy: "Challenge Accepted!"



## CONTACT (\*LINKS)

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🏠 Professional Profile\*  
🏠 Udemy Instructor Page\*  
🔗 JamesMichaelBallowProjects\*  
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## SKILLS

### Programming

Python  
MATLAB  
APIs  
HTML/CSS/JavaScript  
shell/bash/csh  
Flux/influxql  
C/C++  
LaTeX

### Operating Systems

Windows  
LINUX  
MacOS

### Software

JIRA  
AirTable  
AWS(S3)  
Data handling/analysis  
Grafana  
GitHub  
plotly/matplotlib  
python streamlit  
Time Series Analysis  
keras-tensorflow  
iOS (xCode)  
Docker

### Languages

English  
Spanish

## CERTIFICATES

Associate Python Programmer  
Government-Certified Nuclear Engineer

## WORK HISTORY

📅 Mar 2022 - Mar 2023  
📍 Axiom Cloud Inc.,  
San Francisco, CA

### Software/Product Engineer

Engineered company's first solution towards monitoring time series data on a massive scale using python, AirTable, and AWS, increasing company throughput 100-fold. Engineered a solution to mass produce thousands of data traces in Amazon Managed Grafana Dashboards using python and a unique templating schema. Visualized streams of data to indicate where data was lost so as to effectively pinpoint and communicate data losses to the team to re-establish services.

📅 May 2018 to Dec 2021  
📍 Fluor Marine Propulsion (DOE),  
Schenectady, NY

### Senior Software Developer

Designed, developed, documented and deployed a multi-site, multi-platform, multi-language job automation/husbandry software for nuclear analysis. Coordinated with engineering PhDs and scientists to solve nuclear-related mathematical problems. Instructed a team of 8 engineers how to use LINUX, MATLAB, python, csh/bash.

† Several letters of recommendation available upon request.

## EDUCATION

📅 May 2022  
📍 Clarkson University, Potsdam  
4.0 GPA

### M.S. in Computer Science

📅 May 2015  
📍 Florida State University, Tallahassee  
3.8 GPA

### B.S. in Chemical Engineering

## ACHIEVEMENTS AND AWARDS

- 🏆 Axiom Cloud Axi Award (2023): "Best Person to Brighten Your Day"
- 🏆 Udemy Course (2023): *The Foundation You Didn't Know You Needed*
- 🏆 Public. (2022): *Real-Time Hand Gesture Identification in Thermal Images*
- 🏆 Award (2019) - Finished cross-site MATLAB corporate license merger
- 🏆 Award (2018) - Modified U.S. Federal Government process of manual

## GENERAL SKILLS

DevOps Amazon Web Services (AWS) Kubernetes Collaboration  
Software Development Scripting LINUX APIs Git Integration

## MY WORK-LIFE BALANCE

