Michael W. Tishman, II

mike.tishman@gmail.com | Digital Portfolio | Github

PROFESSIONAL SUMMARY

Accomplished Software Engineer with a Bachelor's degree in Software Engineering and over 6 years of progressive experience in the industry. Proven track record in taking on diverse development roles and projects, showcasing a strong proficiency in Python and Javascript. Demonstrates a keen ability to adapt to new technologies, resolve vulnerabilities, and successfully manage and contribute to complex projects. Recognized for a strong ethic, dedication to task completion, and commitment to sharing knowledge and experiences within the team. Holds a TS security clearance.

EDUCATION

Bachelor of Science, Software Engineering	May 2017
Florida Institute of Technology	Melbourne, FL

KEY SKILLS

Quick Learner	Communication and Client Engagement	Adapts to New Technologies
Problem-Solving	Ability to Multi-Task	Leadership and Team Management

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SECURITY CLEARANCE

Top Secret

EXPERIENCE

Software Engineer III

ENSCO, Inc.	Melbourne, FL	2019-Present

Elevated to Software Engineer III, I took on increased responsibilities and led pivotal initiatives in Python standardization, VueJS development, and automated testing, significantly enhancing project delivery and client satisfaction. My role expanded to include front-end development, testing innovations, and critical data management for classified projects.

- **Python Standards and CI Integration**
  - Solidified ENSCO's Python standards based on prior conversion projects, spearheading integration efforts for continuous integration (CI) builds on Jenkins, establishing a robust framework for Python projects.
- **AIMS Project Enhancements**
  - Led the modernization of the AIMS suite (Incident Query Tool, DUCT, Incidents, PRESTO), transitioning from Java JSP to VueJS to deliver faster, visually appealing, and more functional web applications based on customer feedback and requirements.
- **Automated Regression Testing**
  - Initiated and led the development of automated regression tests using Python Selenium, integrated into nightly Jenkins builds. This ensured web application reliability amidst code changes and software updates, addressing customer concerns over testing comprehensiveness.
- **Security Compliance**
  - Supported the effort in resolving vulnerability issues identified in Fortify and SonarQube scans, enhancing software security and integrity for customer projects.
- **CICD Pipeline Integration**
  - Contributed to the full integration of build processes into the CI/CD pipeline, including the incorporation of regression tests to ensure seamless and reliable deployment of updates.
- **Data Transfer and Classified Projects**
  - Appointed as the Data Transfer Agent for the Seismic team, handling classified material transfers and leading the ECM project. This involved extensive work in restricted areas and on-site at customer locations, reengineering complex Matlab formulas in Python for license-free client use.
- **Project Documentation Leadership**
  - Assumed greater responsibility in the project documentation cycle, managing the creation and updates of Software User Manuals (SUM) and Software Interface Specifications (SIP) for multiple projects, ensuring clear, accurate, and useful documentation for end-users and stakeholders.

Software Engineer II
ENSCO, Inc. | Melbourne, FL   2017- 2019

Joined Ensco Inc as a Software Engineer, transitioning from a Software Testing Intern, and quickly became integral to multiple high-profile software development projects. Demonstrated technical leadership and expertise across various domains, including backend enhancements, seismic software development, and frontend interface design, significantly contributing to the company's innovative solutions and client satisfaction.

- **Training and Leadership**
    - Spearheaded the training of multiple software testing interns, ensuring a smooth continuation of testing operations while transitioning to the software development team.
- **AIMs Project Enhancements**
    - Supported backend enhancements by modifying DAO classes in Java to accommodate new data imported into client's SQL databases, enhancing system performance and client satisfaction.
    - Implemented frontend enhancements through JSPs, improving user experience and functionality based on client-submitted enhancements.
- **Seismic Software Development**
    - Contributed to the DEGRADE project by utilizing Fortran to assist in building and testing HPC models, enhancing predictive accuracy for client applications.
    - Played a pivotal role in transitioning the company's software solutions from Matlab to Python across several projects (G2S, Rosetta, CSAD), facilitating cost savings and improved accessibility.
    - Designed and implemented user-friendly interfaces for seismic analysis tools, transforming console scripts into scalable applications, and improving usability for non-software personnel.
- **Frontend Development and Client Engagement**
    - Developed a front-end interface using VueJS for the APACHE project, enabling the science team to effectively demonstrate software solutions to clients. The initiative received positive feedback from project leads and clients, highlighting the utility and innovation of the presented solutions.

Software Development / Software Testing Intern
ENSCO Inc. | Melbourne, FL   2016 – 2017

- Designed and programmed automated regression test for various ENSCO Applications.
- Converted and updated older tests to accommodate newer software testing tools.

Software Development Intern
Netboss Technologies, Inc | Sebastian, FL   2015 – 2015

- Integrated a new functionality into Netboss's Self-Monitoring system that provides a simple way to monitor customer data.
- Designed a Java server/client application that receives and formats data from mail servers, and stores that data into an ElasticSearch Database.
- Wrote a Javascript web interface to display data from an ElasticSearch database using Google-Map APIs.

Software Engineer
8th Domain Technology, LLC | Coral Springs, FL   2014 – 2014

- Designed a VB.NET / Visual C# Windows-Form desktop application for a Chiropractic business to allow them to have a paperless record keeping system.

TECHNICAL SKILLS
Python, JavaScript, Java, C#, Fortran, React, Vue, Django, Flask, PyCharm, Visual Studio, Eclipse, Git, GitHub, ElasticSearch, SQLite, MySQL, JIRA, Jenkins, Confluence, TestComplete, Selenium, Word, Excel, PowerPoint

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SIDE PROJECTS

Pokemon TCG - Simulator (PTCG-SIM) Deck Builder

Project Page | Github

- A React-based web application that simplifies the deck-building process for the fan-made simulator https://ptcgsim.online/
- After sharing the application with the creator of the PTCG-SIM, they eagerly integrated the application into the simulator, where it is now utilized by players all around the world.

Social Saver

Github

- A React-based frontend, Django Python-based backend, web application that is integrated with Facebook's API to view and download your Facebook photos.