**MARK MAYNE JR**

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**Professional Summary**

A results-driven software engineer with experience in full-stack development, real-time systems, and defense contracting. Proven ability to deliver high-quality, scalable solutions in agile environments. Active Top Secret SCI clearance.

**Technical Skills**

Languages: Python, C++, Java, JavaScript, C#, PHP, Swift  
Frameworks: Angular, .NET, React, Ruby on Rails, Grails  
Databases: MySQL, MongoDB, Oracle, SQLite  
Tools & DevOps: Docker, Jenkins, Azure DevOps, Power BI, Git  
Other: openDDS, RTI DDS, Unreal Engine, Agile/Scrum

**Professional Experience**

### Software Engineer

Sportsmans Deals | Jan 2024 – Present

* Spearheaded data analytics initiatives using MySQL, PHP, Perl, and Python for the Digiegg bitcoin project.
* Developed solutions for environment and pricing management optimization.

### Software Engineer

Booz Allen Hamilton | Jun 2019 – Dec 2023

* Built UIs with Angular, TypeScript, and React for the Vantage Point project.
* Developed a scheduling tool using Python and PyToExcel.
* Designed DevSecOps CI/CD pipelines with Jenkins, SonarQube, Protractor, and Docker.
* Created proprietary .NET/C# software for military and satellite systems.

### Software Engineer

J.F. Taylor, Inc. | May 2018 – Jun 2019

* Developed real-time aircraft simulations in openGL, C++, and QT.
* Integrated VR simulations using Unreal Engine and Blueprints.

### Computer Science Tutor

York College of Pennsylvania | 2016 – 2018

* Mentored students in Java programming and CS principles.
* Supported debugging and comprehension for CS coursework.

### IT Help Desk Technician

York College of Pennsylvania | 2014 – 2016

* Resolved technical issues and maintained knowledge base content.

**Projects**

### iOS App Developer

Self-Initiated | 2024

* Developed and launched two AI-powered applications available on the Apple App Store:• [StyleSync AI](https://apps.apple.com/us/app/stylesync-ai/id6745907418) – AI-driven app that evaluates outfit coordination and suggests style improvements.  
   • [RecipeSnap AI](https://apps.apple.com/us/app/recipesnap-ai/id6746269787) – App that generates recipes from pantry photos and digitizes handwritten recipes.
* Built and maintained Python based backends for both apps, leveraging OpenAI and Gemini APIs for AI-driven content generation and image processing.
* Gained extensive hands-on experience in AI application development, including prompt engineering, model integration, and deployment in production environments.

**Education**

York College of Pennsylvania — B.S. in Computer Science, Minor in Mathematics

Graduated 2018

**Certifications & Awards**

* Microsoft PowerPoint and Word Certified
* CPR Certified
* Athletic Scholar Award (4 years)
* Kurt M. Chenowith Memorial Foundation Scholarship
* Neil P. Stauffer and Ruth M. Stauffer Scholarship (2-time recipient)
* Life Scout, Boy Scouts of America