






# William Hendrix

## Software Developer

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## EXPERIENCE

### ACCENTURE | SOFTWARE ENGINEERING SENIOR ANALYST

October 2021 - Present | Washington, DC

- Work within a Kanban Agile team to develop new features and integrations for the Social Security Administration's Duplicate Identification Process application using Python, Django, and HyperScience deduplication.
- Work within an Agile development team to develop and maintain the Social Security Administration's Mobile Wage Reporting iOS and Android apps using Angular and AWS Textract.
- Assisted in an Agile capability assessment of the Social Security Administration's software development practices to assess Agile maturity and provide recommendations for improvement.
- Assisted with a technology outlook assessment for the Social Security Administration providing a snapshot of modern technologies and their practical application in support of the SSA mission.

### DARK WOLF SOLUTIONS | SOFTWARE DEVELOPER

July 2021 - October 2021 | Washington, DC

- Led an effort to develop a Python application for the Navy to securely move a hardened container from the Air Force Platform One software factory to the Navy Forge software factory using AES 256 encryption and RSA signing.

### IBM | FEDERAL ASSOCIATE DEVELOPER

July 2020 - July 2021 | Washington, DC

- Worked within an Agile SCRUM team to develop new features and bug fixes for the for the Transportation Security Agency's Flight Training Security Program application using React, Java Spring, and Hibernate.
- Worked within an Agile SCRUM team to develop new features for the Transportation Security Agency's Hazardous Material Endorsement application using Java.
- Worked closely with the client to analyze and break-down business processes to develop new features.
- On-boarded and trained new developers joining the project.

### INSTITUTE FOR DEFENSE ANALYSES | PROGRAMMER/ANALYST INTERN

May 2019 - Aug 2019 | Alexandria, VA

- Led an effort to consolidate and replace two legacy internal employee lookup applications with one ASP.NET Core web app using C#, RazorPages, and HTML/CSS.
- Developed a suite of automated unit and integration tests using XUnit and Moq.

### BENTLEY SYSTEMS | SOFTWARE DEVELOPMENT INTERN

May 2018 - Aug 2018 | Huntsville, AL

- Worked within an Agile development team to build a REST API using C# ASP.NET Core MVC and Cosmos DB to store user's settings and configurations for all software products.
- Developed a suite of automated unit, integration, and performance tests using NUnit while utilizing a Test Driven Development approach.
- Implemented automated endpoint documentation using Swagger UI and Codegen.
- Assisted the Business Intelligence team in analyzing large amounts of user data for insights into product user interface design using Azure Data Lake Analytics.

## EDUCATION

### UNIVERSITY OF MARYLAND

M.E. IN SOFTWARE ENGINEERING  
Concentration in Cybersecurity  
Jan 2021 - Present | College Park, MD

### AUBURN UNIVERSITY

B.S. IN COMPUTER SCIENCE  
Concentration in History  
Aug 2015 - May 2020 | Auburn, AL

### LONDON SOUTH BANK UNIVERSITY

STUDY ABROAD  
Aug 2016 - Dec 2016 | London, UK

## SKILLS

### PROGRAMMING

Java • Python • JavaScript • C#  
• C++ • HTML • CSS • SQL •  
Bash • Assembly • Prolog • Lisp  
• R

### FRAMEWORKS/LIBRARIES

ASP.NET • Angular • React •  
Node.js • Flask • Spring •  
Hibernate • Django • Ionic

### TOOLS/PLATFORMS

Docker • Ansible • GitLab CI/CD  
• Gradle • Splunk • npm  
Azure • AWS • RedHat OpenShift  
NUnit • XUnit • JUnit • PyUnit •  
Selenium • Karma  
Docker • CosmosDB • Microsoft  
SQL Server • PostgreSQL •  
MySQL

## COURSEWORK

### GRADUATE

Hacking of C programs & Unix  
Binaries • Software Engineering

### UNDERGRADUATE

Software Process • Software  
Quality Assurance • Introduction  
to Algorithms •