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[GitHub](#)

Sam Gordon

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Experience

Booz Allen Hamilton – Civil Sector, Chicago, IL

2022-Present

Software Developer – Senior Consultant

Worked on the Benefits Integrated Platform project for the Department of Veterans Affairs. Promoted to senior consultant in 2023 after one year. Responsible for results driven software development while collaborating with cross-functional teams to deliver high quality, scalable solutions using Agile Scrum methodologies.

Listed below are some of the features I worked on.

Zod Validation Package - Created a bespoke schema validation framework for data integration between applications.

- Researched, Recommended, then implemented the framework using the Zod Typescript package.
- Put the framework into an NPM package and integrated it into the Maven build process.
- Created thorough tests and documentation on how to use and extend the framework.
- Added UI elements to the ingestion form to display any of the errors stemming from a failed validation.

Search Enhancements – Helped update a function for searching databases for veteran information.

- Researched code base to understand old functionality and create comprehensive Jira tickets.
- Wrote Java code to ingest data from an external API endpoint and return formatted to the front end.
- Dev tested using Postman and Bruno and implemented comprehensive backend unit tests in Groovy.
- Updated front end to display search criteria to the user and added validation to the search form fields.

Python Utility Scripts – Scripts used as internal tools to simplify build commands and environment analysis.

- Created a utility script in Python 3 with the Pandas library to convert a YAML file full of environment properties into an excel sheet to be easily compared. Included a full documentation of the features.
- Created a utility script to repeat an alias or command. It was used to rerun complicated builds prone to failure a specified number of times. Included full documentation of the features and a script for testing.

Capgemini America – Financial Services, Chicago, IL

2021-2022

Software Engineer - Consultant

Worked on an international team merging a deprecated acquiring and payments backend into a new one.

Personal Software Projects

Home Lab

2021-Present

Built a home server to learn docker, Linux, and IT management basics. I have set up and configured containers for services like Jellyfin Media Player and Guacamole remote access. The services are behind a nginx reverse proxy also in a docker container. The proxy also uses SSL certificates from a private domain name.

Education/Certifications

VALPARAISO UNIVERSITY, Valparaiso, IN

Bachelor of Science in Computer Science

2021

Minor in Mathematics

Java SE 8 Oracle Certified Associate

2022

Technical Skills

Java, Spring Boot, C, C#, SQL, Python 3, Java Script, Angular, Maven, Type Script, Groovy, JUnit, Jest, Microsoft Office Suite, Git/GitHub, GNU/Linux, Agile development method, technical writing, problem solving, critical thinking.