Robert A. Walls III

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Desired Role and Objective

To join a fast-paced team environment as a code runner familiar with a broad scope of technologies. Most interested in product research and design, full-stack engineering, and back-end development, but open to other opportunities.

Technologies used   05/16 – Present

Python3, JavaScript, Mirth Connect, Perl, Linux (Ubuntu), bash, cron, Jenkins Pipelines for CI/CD, Java, Java Spring Boot, Jhipster, Angular 9, git, GitLab, R, Docker, Kubernetes, PostgreSQL, AWS, Microsoft Excel

DEVELOPMENT & IT EXPERIENCE

Solo Contractor – Software Engineer – Walls Technology Solutions   05/16 – Present

Utilize software development cycle to plan, develop, deliver, and continuously deliver applications to multiple clients in the Healthcare industry.

Logistics & IT Support Specialist – Integrity Health Plus   03/15 – 05/16

Worked under chief information officer and director of technology to aid in information technology availability to coworkers. Implemented and maintained active directory, network servers. Created scripts and tools for accessing records from a 3rd party Laboratory Information System and tutorials for getting data from an Enterprise Resource Planning Program.

Engineering Technician – J. L. Arnold Engineering Inc   11/14 – 03/15

Applied Engineering principles to the analysis of soil samples. Created maps of job sites for use in civil engineering reports. Created time management tracking tools to transition from a paper-based system.

EDUCATION & RESEARCH

The University of Texas at Austin,   Graduated May 2013

B.S. in Aerospace Engineering & Engineering Mechanics

Satellite-Based Navigation   10/12 – 12/12

Created a MATLAB program to analyze electric impulse data and create visualizations of frequency alterations due to GPS spoofing attempts, effectively showing certain GPS spoofing attempts could be detected.

Low-Speed Aerodynamics   9/12 – 11/12

Captured air flow dynamics and created GIFs of airflow over and through a cavity designed by the team showing how passing air reacts to a cavity inside a moving body.

Space Mission Design   01/12 – 5/12

Researched and designed power & communication subsystems for a proposed space mission to Ceres to detect water/ice under the surface. Created and managed mass budget tables for each subsystem using Microsoft Excel. Performed Risk analysis using Monte-Carlo method.