

CERTIFICATIONS AND SKILLS

Top Secret US security clearance (TS/SCI)

Certifications: CompTIA Security+

Languages: Python, Java, MATLAB, Bash, Perl, Selenium, HTML, CSS, JS, PHP, SQL

Operating Systems: Unix, Linux, iOS

Other: Django, React, Spring/MCV, OpenCV, Matplotlib, CUDA, SciPy, Wireshark, MySQL, Microsoft Office Suite, JIRA, Confluence, Jenkins, Git

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY ATLANTA, GA

Sept '20–Sept '21

Master's in Computer Science (Partial)

DREXEL UNIVERSITY PHILADELPHIA, PA

Sept '14–June '19

Bachelors of Science in Computer Engineering - Minor in Electrical Engineering

SHANGHAI JIAO TONG UNIVERSITY SHANGHAI, CHINA

July '17–Jan '18

Study abroad - Bachelors of Science in Computer Engineering - Minor in Electrical

EXPERIENCE

SENIOR FULL STACK DEVELOPER PROTEGRITY

Feb '23 – Present

- Serve as the lead U.S. developer on a global team of three, liaising closely with a principal engineer in India and a technical planner to implement and maintain software solutions.
- Design, develop, and deploy complete features using Django, static HTML, CSS, jQuery, and JavaScript, enhancing user experience and system efficiency.
- Spearheaded the creation of a Compatibility Matrix, a feature that integrated with a backend API to dynamically display and filter product compatibility data, enabling users to make informed decisions.
- Implemented a real-time notification system using the Twilio API, allowing instant text message alerts to be sent to support team members for urgent and critical support tickets, thereby improving response times.
- Coordinate with the technical planner to establish feature requirements, development timelines, and milestones, effectively translating business needs into technical solutions.

FULL STACK DEVELOPER DAN THE BUILDER, LLC (PERSONAL BUSINESS)

March '19 – Present

Project: Web Application for Nonprofit Environmental Organization

- Sole developer responsible for the end-to-end lifecycle of a Django REST web app hosted on AWS.
- Created a dynamic user management system for internal admins and a portal for prize applicants.
- Managed all aspects, from requirement gathering and planning to deployment and maintenance.

Project: Investment Tracking for Venture Capital Firm

- Developed and maintain a Django REST web app on AWS to manage investment portfolios, offer in-depth financial analysis, and improve customer workflow.

- Integrated two-factor text message authentication via Twilio REST API and implemented document locking features.
- General Responsibilities
- Maintain 3 Django web apps hosted on AWS, 2 WordPress client websites, and 2 Wix client websites.
 - Single-handedly manage project timelines, client communications, and technical implementation.
 - Use Agile methodologies to manage project development, utilizing tools like JIRA for tracking.

FULL STACK DEVELOPER SIEMENS/ENLIGHTED

March '22 – Jan '23

- Develop within multi-tier architectures across multiple technology stacks: Django REST/Python, JVM, web servers, caching, application servers, React, RDBMS/NoSQL: Postgres, Dynamo DB
- Develop APIs for both internal and external-facing services
- Debug, develop, and deploy applications customer facing applications on cloud platforms: AWS and GCP
- Maintain a minimum of 80% unit test coverage for all newly written code
- Provide live customer technical support on an on-call basis

FULL STACK DEVELOPER INFINITY SYSTEM ENGINEERING (SPACE FORCE)

May '21 – March '22

- Design, develop, and deploy front and backend services with a focus on high quality, scalability, and performance using the Python/Django REST framework
- Collaborate closely with database engineer and associate software engineer to build an autonomous, impactful, cross-functional team
- Full responsibility for design, build, performance, scalability, and operability of application
- Develop frontend using HTML, CSS, JavaScript, and bootstrap libraries
- Acted as team scrum master, using JIRA, confluence, and GIT to track user stories, employee progress, and application progress/version control.
- Reviewed and approved all associate software engineer code prior to pushing to the main application branch.
- Work closely with U.S. cybersecurity team to ensure no vulnerabilities exist within the application and all software is approved for the government networks.

SYSTEMS INTEGRATION ENGINEER AERODYNE INDUSTRIES (MISSILE DEFENSE AGENCY)

July '19 – May '21

- Integrate and operate simulation equipment associated with Ballistic Missile Defense Combatant Commander (COCOM) Exercises.
- Develop Python, Bash, Perl, and Java programs and scripts to help build and analyze simulations, data, build network tools, and automate systems.
- Work closely with a mission-focused team that conducts and integrates missile defense COCOM Exercises for the Missile Defense Agency (MDA), the Warfighter, and other missile defense and service stakeholders.
- Coordinate with supporting simulation engineers throughout the event architecture.
- Operate Solaris, Red Hat Linux, and Windows systems.
- Develop and deploy network configurations with the Cisco Data Center Network Manager, automating configuration deployment.

SOFTWARE/QA ENGINEER NATIONAL BOARD OF MEDICAL EXAMINERS

Apr '18 – Sept '18

- Assisted in overall design and development of NLP (neuro-linguistic programming) application architecture.
- Developed user friendly front and backend UI using Java and Spring, HTML, CSS, and JS with a test-driven approach.
- Created and executed automated software test plans, cases, and scripts using Java and Selenium to uncover, identify, and document software problems and their causes.

