



## **PROFESSIONAL SUMMARY**

Greg Fleming is a talented, hardworking full stack Software Developer whose precision and collaborative nature make him a valuable asset to any development team. Greg came from a background of Mechanical Engineering, where his adaptability and performance under pressure allowed him to thrive in a small company environment. After a history of success automating machinery, Greg decided to pursue his underlying passion for Software Development. He enrolled in Harvard's free CS50 and CS50AI courses, hosted online through edX where he learned about web development using Python, Flask, HTML, SQLite, and CSS. After finishing the course, Greg independently developed and deployed a website dedicated to his interest Brazilian Jiu Jitsu, further advancing his skills as a developer. From there, he was accepted into the Cook Systems FastTrack program where he demonstrated an ability to rapidly absorb new information and developed strong professional relationships with both his fellow students and the instructors of the program.

## **TECHNICAL SKILLS**

**Programming:** Java, JavaScript, HTML5, CSS3, SQL, Spring, Spring Boot, JDBC, Jackson, JPA, JQuery, Node, Webpack, Babel, Maven, NPM, React, Redux, Python, C++, Arduino, VBA, Ladder Logic, Structured Text  
**Software:** Eclipse, VS Code, Git, GitHub, Cmdr, PGAdmin, Postman, Solidworks  
**Databases:** PostgreSQL, SQLite  
**Operating Systems:** Windows

## **PROFESSIONAL EXPERIENCE**

**COOK SYSTEMS – Memphis, TN**  
***FastTrack Developer***

**01/23 – Present**

### *Assessment #1*

- Developed a RESTful web service clone of Twitter with endpoints capable of performing CRUD operations through HTTP requests.
- Led team meetings to organize members and build project infrastructure and database schema using SpringBoot and PostgreSQL
- Created Controllers, exception handling, and service implementation logic to handle incoming requests and perform CRUD operations on the PostgreSQL database
- Engaged in test driven development with Postman to efficiently develop and debug API endpoints

*Environment: Java, Spring Boot, JPA, PostgreSQL, PGAdmin, Postman, Git, Eclipse, Maven, JDBC, Jackson*

### *Assessment #2*

- A
- B

- C
- D

*Environment:*

#### **Assessment #3**

- A
- B
- C
- D

*Environment:*

#### **YouJitsu.net**

*Community driven website to store BJJ knowledge, personal project*

- Designed full stack website to include database search, secure login system, timed user email verification, and SQLite database with auto updating
- Ensured user security by storing hashed passwords through werkzeug.security
- Optimized load times by implementing infinite scroll feature with AJAX/JS
- Deployed website using Linode

#### **AG Tunnels – Long Beach, CA**

**05/15 – Present**

*Design Engineer I*

- Expanded production capabilities by designing custom steel bending machinery
- Coded programmable logic controllers to automate in house machinery
- Automated creation of Sales Orders using Visual Basic and Excel, resulting in improved accuracy and response time of quotes
- Reduced waste and improved quality of greenhouse tunnels by standardizing components
- Diagnosed and resolved problems with in house machines
- Communicated with internal team and international suppliers to improve product quality

#### **Frontier Technologies – Long Beach, CA**

**06/14 – 01/15**

*Design Engineer Intern*

- Improved machine line productivity by designing custom in house tooling and fixtures
- Minimized machine operator error by converting customer assembly drawings into toleranced component drawings
- Assisted senior engineering staff in brainstorming and modeling steel bending machinery using Solidworks CAD software, resulted in expanded production capabilities

### **EDUCATION**

#### **Cook Systems FastTrack Java Program – Memphis, TN**

**01/23 – 03/23**

*Concentrated Java Frameworks and developer tools training*

#### **California State University Fresno – Fresno, CA**

**08/08 – 05/15**

*Bachelor of Science: Mechanical Engineering*