



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 in 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

Twitter API Clone

- Developed a RESTful web service clone of Twitter with endpoints capable of performing CRUD operations through HTTP requests including creation of Tweets, Hashtags, and profiles
- 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 as well as successfully handle client actions like re-tweets, likes, and user mentions
- Developed and efficiently debugged API endpoints using test driven development with Postman, allowing seamless integration of endpoints

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

Spotify Artist Guessing Game

- Produced a front-end React game application that made HTTP requests to Spotify's API to present songs to the user and allow them to guess the correct artist from a list of choices
- Guided Scrum team meetings to design initial wire frame, game mechanics, and manage team member roles to maximize productivity and ensure timely project delivery
- Accelerated load time and limited data transfer by utilizing Recoil to store Spotify's API responses and game state
- Delivered an engaging product by designing game mechanics such as timer, guess counter, and game flow logic.

Environment: Javascript, React, React Styled Components, JSX, Recoil, HTML5, CSS, Howler, Visual Studio Code

Business Management Application

- Developed a full stack business management application capable of creating company announcements, teams, project assignments, and users.
- Managed Agile team meetings to set daily goals, solve individual's technical problems, and plan future project steps with both the front-end team and the back-end team.
- Hastened design cycle by coding a communication layer between the client and server, allowing backend team and frontend team to simultaneously develop integrable code
- Leveraged React JSX to quickly develop intuitive, mobile friendly pages with reusable components available for future projects

Environment: Javascript, React, React Styled Components, JSX, NPM, Recoil, HTML5, CSS, Visual Studio Code, Java, Spring, Eclipse, Maven, PostgreSQL, PGAdmin

YouJitsu.net

Community driven website to store BJJ knowledge, personal project

- Designed full stack website to include database search, login system, timed user email verification, and automatically maintained SQLite database
- Ensured user security by storing hashed passwords through werkzeug.security
- Optimized load times by implementing infinite scroll feature with AJAX/JS
- Allowed for universal access by deploying website on Linode

Environment: Python, Javascript, HTML5, Flask, Bootstrap, SQLite3, JQuery, Git, Visual Studio Code, Linode, CSS

AG Tunnels – Long Beach, CA

05/15 – 02/23

Design Engineer I

- Expanded production capabilities by designing custom steel bending machinery
- Reduced cost and development time of steel bending machinery by coding programmable logic controllers in house
- Improved accuracy and response times of quotes by automating component quantity calculations and Sales Order generation using Visual Basic and Excel
- Raised quality of greenhouses and reduced waste by standardizing components
- Increased machine longevity and reduced downtime by diagnosing and resolving mechanical problems in the field
- Removed ambiguity in manufacturing and distribution of parts by communicating with internal / international team using Solidworks drawings

Frontier Technologies – Long Beach, CA

06/14 – 01/15

Design Engineer Intern

- Boosted machine line productivity by designing custom in house tooling and fixtures
- Reduced machine operator error by converting customer assembly drawings into toleranced component drawings,
- Hastened design and development of steel bending machinery by brainstorming with senior engineering staff and modeling designs using Solidworks CAD software

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