

# Gregory W. Herren

Washington, D.C. – [linkedin.com/in/greg-herren](https://www.linkedin.com/in/greg-herren) – [gitlab.com/greg-herren](https://gitlab.com/greg-herren)

## Technical Skills

**Programming Languages** – Python 3, JavaScript ES6+, SQL, HTML5, CSS

**Front-End** – DOM manipulation, WebSockets, React, React Hooks, Redux Toolkit

**Back-End** – Django 4, PostgreSQL, MongoDB, FastAPI, RabbitMQ

**System Design** – Microservices, Domain-driven design, Message passing, Event sourcing

## Application Development Experience

**CarPrime** – Full Stack Developer – [gitlab.com/CarPrime](https://gitlab.com/CarPrime) – Python, Django, React, Bootstrap, Docker 2023

- Developed a car dealership management service to help dealerships keep track of inventory, sales, and service using **Python, Django, React, and Bootstrap**
- Implemented a polling microservice using **Docker** to keep track of new cars added to inventory so dealers can more easily record sales and set up service appointments

**Sudoku Solver** – Full Stack Developer – [gitlab.com/sudoku-solver](https://gitlab.com/sudoku-solver) – Python, Django, React, Backtracking 2023

- Implemented Peter Norvig's **Python**-based **backtracking** algorithm to solve any valid Sudoku puzzle
- Leveraged **React** and **Bootstrap** to make a basic Sudoku interface for users to input values

**Plunge** – Full Stack Developer – [gitlab.com/plunge](https://gitlab.com/plunge) – Python, Javascript, React, Redux, FastAPI, PostgreSQL, Pytest 2023

- Built an education marketplace using **Python, FastAPI**, and **PostgreSQL** for the backend, **React, Redux, Bootstrap**, and **Google Maps API** for the frontend, and **Pytest** for unit testing
- Integrated **JWTDown for FastAPI** and **RTK Query** for authentication to enable users to manage classes and reservations, enabled by a suite of **Restful APIs**
- Deployed service to production using **Gitlab Pages**

## Professional Experience

**Frontier Talent** – Senior Product Lead 2021 - 2023

- Designed and launched a platform to manage freelance talent sourcers that reduced management costs by 60%
- Revamped operations tooling to reduce job creation time from weeks to hours by removing unnecessary complexity
- Developed an SEM marketing strategy driving a 100% increase in lead generation

**Capital One** – Senior Manager, Product Management 2014 - 2021

- Led the Capital One Shopping mobile app, managing a team of two developers and increasing revenue per active user by 10x over one year through rapid iteration and hypothesis-driven testing
- Designed and launched an MVP hotel metasearch product to lead Capital One Shopping's expansion into travel
- Partnered with design and multiple tech pods to launch the first mobile credit card application in the Capital One mobile app

## Education

**Hack Reactor** | Advanced Software Engineering Certificate 2023

**Reforge** | Product Strategy 2020

**Washington University in St. Louis** | Bachelor of Science in Mechanical Engineering 2014

- Founder of Free Compliment Club, President of Sigma Nu Fraternity

## Personal

Hobbies include working on cars, playing video games, and running. Have completed a few half marathons and am currently training for a full marathon.