

Gregory W. Herren

Washington, D.C. – [linkedin.com/in/greg-herren](https://www.linkedin.com/in/greg-herren) – 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 – Python, Javascript, Django, React, Bootstrap, Docker 2023

- Developed a car dealership management service to help dealerships keep track of inventory, sales, and service using **Python, Javascript, 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 – Python, Javascript, Django, React, Backtracking 2023

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

Plunge – Full Stack Developer – gitlab.com/plunge – Python, Javascript, React, Redux, FastAPI, PostgreSQL, Pytest 2023

- Built an education marketplace using **Python, FastAPI, and PostgreSQL** for the backend, **Javascript, 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.