

Henry Kim

Software Engineer

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Atlanta, GA | Open to Remote

Technical Skills

Programming Languages | Python 3, JavaScript ES6+, HTML 5, CSS, SQL

Front End | React, React Hooks, DOM manipulation, Bootstrap, Material UI

Back End | Django 4, FastAPI, Node.js, Express, PostgreSQL, MongoDB, RabbitMQ, AWS Cloud

Tools | VS Code IDE, Git Version Control, GitHub, Docker, Insomnia, Adobe Photoshop, Figma

Application Development Experience

Full-Stack Developer | Plunge | luckythirteen.gitlab.io/plunge | github.com/hnrykm/plunge **2023**

Skillshare web application to connect lifelong learners and expert instructors for in-person, pro-community classes.

- Designed and developed **PostgreSQL** relational database **schemas** to store and manage user and application data, handle indexing, and query optimization to ensure efficient data retrieval and organization.
- Developed **RESTful API** endpoints using **FastAPI** backend framework, Pydantic data validation, secure JWT authentication to ensure data accuracy/consistency, optimize CRUD response times, and improve scalability.
- Designed and built instructor dashboard interface using **React.js** and **Bootstrap** to enable users to create, manage, and track class enrollment, scheduling by creating responsive and user-friendly components.
- Actively participated in **team brainstorming** sessions and **problem-solving** discussions to address technical challenges, providing innovative ideas and solutions that enhanced the project's functionality and objectives.
- Applied **agile principles** by conducting **daily stand-ups** to plan sprints, improve project workflow, and enhance team productivity using kanban boards to manage project tasks, track progress, and prioritize development efforts.
- **Collaborated** with a cross-functional team of developers using **Git** to ensure code consistency and track changes by creating and managing feature branches for effective code review and successful merge requests.

Full-Stack Developer | Dealer Hub | github.com/hnrykm/dealerhub **2023**

Virtual platform to connect auto dealership's operations through this central hub: managing inventory, service, and sales.

- Developed dynamic single-page application utilizing **React states, hooks, components** to enhance user experience.
- Promoted team communication and clarity by troubleshooting and debugging during pair programming.
- Implemented **RabbitMQ message queues** to enable asynchronous communication between microservices.

Professional Experience

North Georgia Vacation Rentals | Software Engineer **2023 - Present**

- Developed a property readiness tracking app for 23 vacation rentals, optimizing coordination among admin, cleaning, and operations teams to improve efficiency and ensure well-maintained properties for guest satisfaction.

Henry Kim Photography LLC | Owner, Photographer, Wordpress Developer **2016 - 2023**

- Established a successful real estate photography business by offering full-service photography solutions to a client base of top-producing REALTORS in the metro-Atlanta area to maximize return on homeowner's investment.

Baconton Community Charter School | High School Science Teacher **2012 - 2015**

- Produced a consistent rate of 90% of students exceeding testing benchmarks by focusing on a high-level understanding of concepts and content by creatively differentiating instruction to best meet student needs.

Education

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

University of North Georgia | B.S. Art Marketing - Graphic Design & Photography **2009**