Herman Remington

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

CAREER SUMMARY

Junior Software Engineer skilled in Python (Flask) and JavaScript, specializing in developing robust full-stack applications. Experienced in API integration, database design, and creating scalable, user-friendly interfaces. Passionate about solving complex problems, streamlining development processes, and enhancing user experience. Proven ability to work in collaborative environments and deliver results-driven solutions.

TECH SKILLS

Programming Languages: Python, JavaScript, SQL, HTML, CSS
Frameworks & Libraries: Flask, React.js, Bootstrap, SQLAlchemy
Tools & Platforms: Git, Postman, Supabase, Render
Databases: PostgreSQL, SQLite, MongoDB
Authentication: JSON Web Tokens (JWT), OAuth
Additional Skills: UX/UI Design using Figma, RESTful API Development

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WORK EXPERIENCE

Flatiron School Projects – *Remote*
Full-Stack Developer (Intern)
June 2024 – December 2024

- Delivered dynamic full-stack applications using Flask for backend and React for frontend.
- Spearheaded API integrations and database schema optimization, enhancing app responsiveness by 25%.
- Collaborated with diverse teams, improving project delivery timelines by 30%.
- Conducted code reviews, increasing code quality and team efficiency.
- Developed user-centric web apps with a focus on intuitive interfaces and seamless functionality.

TECH PROJECTS

Graceful Impressions

[GitHub](#) | [Demo](#) | [figma Prototype](#)

- Developed a full-stack digital platform aimed at connecting Kenyan art painters with global art enthusiasts. The project streamlines the business side of art creation, allowing artists to focus entirely on their craft while boosting visibility and increasing potential sales.
- **Frontend Development:** Used **React** to build a responsive, user-friendly interface for artists and users, ensuring a seamless browsing experience across devices.
- **Backend Development:** Developed the backend with **Flask** and **Python**, implementing APIs to handle user registration, artist profiles, art uploads, and event management.
- **Database Integration:** Leveraged **PostgreSQL** on **Supabase** to manage user data, artist profiles, and artwork storage, ensuring smooth scalability.
- **User Authentication:** Implemented secure user sign-up and login functionality, allowing artists to manage their profiles and art pieces and enabling users to register for more information.
- **Deployment:** Hosted the frontend and backend using **Render**, ensuring smooth deployment and integration.
- **UI/UX Design:** Utilized **Bootstrap** to design an aesthetically pleasing and accessible user interface, ensuring that users and artists have an intuitive experience.

E-commerce Store

[GitHub](#) | [Demo](#)

- Developed a full-stack e-commerce platform using **React** for the frontend and **Node.js/Express** for the backend.
- Integrated **MongoDB** for database management and hosted product images on **Cloudinary** for efficient delivery.
- Implemented user authentication and authorization to secure routes and provide tailored user experiences.
- Added **Stripe** for seamless payment processing, enhancing user convenience and trust.
- Built an admin dashboard featuring tools to:
  - Add products to the store.
  - View site analytics, including sales data, user numbers, and products sold.
  - Feature products for promotional purposes.
- Designed and optimized APIs to handle cart functionality, user management, and product operations.
- Focused on a responsive and intuitive UI, ensuring a smooth shopping experience for users.

EduLearn Education Platform

[GitHub](#) | [Demo](#)

- Developed a full-stack educational platform using React for the frontend and Flask with PostgreSQL for the backend.
- Designed a secure user authentication system with JWT, ensuring safe login sessions and user-specific data.
- Built backend routes to manage user accounts, course listings, and reviews, enabling seamless user interaction with the platform.
- Integrated PostgreSQL for data storage, allowing efficient management of user data, courses, and reviews.
- Developed a dynamic and responsive UI with React.js and Bootstrap, optimizing for both desktop and mobile experiences.
- Implemented a robust course search and filter system, enhancing the user's ability to discover relevant content.
- Thoroughly tested backend functionality using Postman, ensuring smooth integration and API reliability.
- Focused on creating an intuitive interface that simplifies course browsing, with an emphasis on user engagement and ease of use.

Personal Budget Manager

[GitHub](#) | Demo

- Built a Python-based budgeting tool to assist users in salary allocation.
- Introduced a yearly summary feature, showcasing savings and investments.
- Enhanced user experience with error handling for invalid inputs.

EDUCATION

Flatiron School – *Remote*
Full Stack Web Development Program: Python with Flask and JavaScript
June 2024 – December 2024

ACHIEVEMENTS & IMPACT

- **Enhanced Team Efficiency:** Improved project delivery times by optimizing workflows and leading peer feedback sessions.

- **Optimized Application Responsiveness:** Achieved a 25% improvement through advanced API integrations and database optimizations.
- **Delivered Client Solutions:** Successfully developed and deployed multiple full-stack applications tailored to client needs.