

Ruth “Vaughan” Knouse

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LinkedIn: www.linkedin.com/in/vaughanknouse | GitHub: <https://github.com/vaughanknouse> |
Portfolio: <https://vaughanknouse.github.io/Vaughan-portfolio/>

FULL-STACK WEB DEVELOPER

Full-stack web developer with over 10 years of experience in healthcare operations and a recent certificate in Full-Stack Web Development from The University of Texas at Austin Coding Boot Camp. Proficient in the MERN stack (MongoDB, Express.js, React.js, Node.js), responsive web design, SQL, and Electronic Medical Record (EMR) systems, including Epic, CRIS, and PACS. Passionate about using web technologies to streamline healthcare workflows and enhance patient care. Recognized for strong problem-solving abilities, collaboration, and delivering high-quality solutions in fast-paced environments.

TECHNICAL SKILLS

Languages & Frameworks: HTML, CSS, JavaScript, MERN stack (MongoDB, Express.js, React.js, Node.js), Handlebars.js, GraphQL, Mongoose, Sequelize

Databases: MongoDB, PostgreSQL

Tools & Platforms: Git, GitHub, JWT, Insomnia, Chrome DevTools, Visual Studio (VS) Code, Render

Methodologies: Agile, Responsive Web Design

APIs: OpenWeather API, RESTful APIs

Software: EMR systems (Epic, CRIS, PACS), Microsoft Office Suite, SharePoint, IMPAC, NIDAP

RELATED EXPERIENCE

Git-Fit | GitHub: <https://github.com/cococnde/git-fit> | **Deployed:** <https://git-fit-2.onrender.com>

- Summary: Full-stack fitness application for searching, saving, and customizing workouts built using the MERN stack.
- Role: Co-Developer and Group Advocate. Developed key features to ensure data persistence and enhance user experience.
- Tools: CSS, MongoDB, Express.js, React.js, Node.js, GraphQL, Mongoose, JWT, Render

MVC Tech Blog | GitHub: <https://github.com/vaughanknouse/MVC-Tech-Blog> | **Deployed:** <https://mvc-tech-blog-hlde.onrender.com/>

- Summary: CMS-style blog site for developers to publish and comment on blog posts.
- Role: Sole Developer. Handled authentication, user interface design, and CRUD functionality.
- Tools: Handlebars.js, Sequelize, PostgreSQL, Express.js, Render

Weather Dashboard | GitHub: <https://github.com/vaughanknouse/weather-dashboard-server-side-api> | **Deployed:** <https://vaughanknouse.github.io/weather-dashboard-server-side-api/>

- Summary: Responsive web application that fetches and displays weather data from OpenWeather API.
- Role: Sole Developer. Handled user interface design, API integration, and localStorage for saving user preferences.
- Tools: HTML, CSS, JavaScript, OpenWeather API, localStorage

ADDITIONAL EXPERIENCE

Administrative Assistant

May 2023 – Present

Organizational Development Resource Group (ODRG)

(Contracted to National Institutes of Health (NIH), Center for Scientific Review (CSR))

Bethesda, MD

Support the Basic and Translational Cancer (BTC) Review Branch by managing workflows and data integrity, collaborating with stakeholders to streamline grant review operations.

Key Accomplishments:

- Streamline logistics for grant review meetings, reducing preparation time by 15%.

- Optimize SharePoint workflows, improving document retrieval times by 20%.
- Enhance data accuracy in the IMPAC system through validation checks, improving compliance and data integrity by 25%.

Research Assistant

Aug 2020 – May 2023

Astrix Technology

(Contracted to National Institutes of Health (NIH), National Cancer Institute (NCI))

Bethesda, MD

Coordinated clinical and lab studies for a team of 10 in translational cancer research, overseeing lab operations, data management, and cross-functional collaboration.

Key Accomplishments:

- Extracted clinical data from EMR systems, including CRIS and PACS, for over 50 patients, reducing data entry errors by 40%.
- Improved lab efficiency by 15% through better resource allocation and optimized team collaboration, resulting in faster study completion.
- Developed and implemented data storage solutions in NIDAP, expediting research data retrieval across 5 studies.
- Co-authored a published peer-reviewed article on extracellular RNA (exRNA) research.

Chief Scribe

May 2016 – June 2017

ScribeAmerica

(Contracted to Suburban Hospital, Johns Hopkins)

Bethesda, MD

Led a team of 25 scribes in a fast-paced emergency department, ensuring accurate and timely medical documentation for healthcare providers.

Key Accomplishments:

- Reduced onboarding time by 20% by redesigning training programs, increasing team efficiency by 25%
- Implemented documentation improvements, raising provider satisfaction by 15% and reducing errors.
- Awarded Chief Scribe of the Year for consistently exceeding program performance goals.

Medical Scribe

Aug 2014 – June 2017

ScribeAmerica

(Contracted to Suburban Hospital, Johns Hopkins)

Bethesda, MD

Provided real-time medical documentation for emergency department providers using Epic EMR, supporting efficient clinical workflows.

Key Accomplishments:

- Accurately documented over 1,000 patient encounters in Epic EMR, improving workflow efficiency by 15% and reducing provider administrative burden.
- Reduced patient history retrieval time by 20%, accelerating treatment planning and improving patient outcomes.

EDUCATION

Certificate, Full Stack Web Development

The University of Texas at Austin

Sept 2024

Austin, TX

Former M.D. Candidate

Marshall University, Joan C. Edwards School of Medicine

Aug 2017 – Dec 2019

Huntington, WV

Postbaccalaureate Pre-Health Professions Courses

Northern Virginia Community College

May 2013 – May 2017

Alexandria, VA

Bachelor of Science in Nutrition

The University of Texas at Austin

May 2013

Austin, TX