BRYAN BIRCH
Junior Software Developer

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QUALIFICATIONS PROFILE

Innovative software engineer transitioning from a decade in healthcare as a registered nurse, where precision and problem-solving under pressure honed my ability to develop and optimize software systems.

Proficient in data structures and algorithms, I bring a unique perspective that merges intensive healthcare experience with robust technical skills in Python, C++, and SQL among others.

Capable of advanced critical thinking, problem solving, learning and thriving in a fast-paced environment. Eager to apply my analytical skills and passion for technology to drive innovations that improve both company processes and customer experiences.

EDUCATION AND CREDENTIALS

Bachelor of Science in Computer Science
Southern New Hampshire University, Online

Associate of Science in Nursing Science
Colorado Northwestern School of Nursing, Steamboat Springs, CO

Certification in Computer Science – Code Intensive Bootcamp, 2020
Coding Dojo, Seattle, WA

CORE COMPETENCIES

☐ Broad knowledge of RESTful APIs, Python, C++, and SQL in instigating applications that exceeded client expectations
☐ Competency in critical thinking, communication and collaboration, organizational leadership, as well as problem-solving and resolutions
☐ Ability to perform troubleshooting and issue resolution utilizing available tools and resources to identify risks, solve problems, and debug code
☐ Comprehensive understanding of software engineering and development life cycle, as well as software development strategies and best practices

WORK HISTORY

CONIFER HEALTH SOLUTIONS, TACOMA, WA
Clinical Documentation Specialist — July 2023–Current

ST JOSEPH MEDICAL CENTER, TACOMA, WA, USA
Travel Nurse, Interventional Radiology — Feb 2022–July 2023

VARIOUS TRAVEL NURSE CONTRACTS
Travel Nurse, Intensive Care Unit — Jan 2015–Jan 2022

BAYLOR SCOTT AND WHITE HEALTH, DALLAS, TX, USA
Staff Nurse, Intensive Care Unit — Jan 2014-Jan 2015

ACADEMIC PROJECTS

Project Title: Blood Donor Manager
☐ Led the full stack development of application tracking type, cross match, donors, and recipients within a searchable database, allowing users to find potential matches, and included password hashing and client-side validations to optimize information security
☐ Made use of C#, ASP.NET to improve the structure, resulting in a deployable application
☐ Applied Entity Framework Core for the building of searchable database models

Project Title: Farmers Market
☐ Designed MERN application to enable users to shop for locally sourced food and products that involved developing a responsive website allowing for selected product viewing

ACTIVITIES

Volunteer Scientific Diver, Reef Aware Foundation
Technical SCUBA diver – Able to thrive under pressure!
FAA part 107 Drone Pilot

TECHNICAL SKILLS

Languages: Python | C# | HTML | CSS | JavaScript | C++ | Java
Framework/Libraries: React | Express | Node.js | ASP.NET | Django | jQuery | Bootstrap
Additional Tools: AWS | MERN | VS Code | Postman | MySQL | SQLite | MongoDB | REST API | Ajax

LinkedIn: https://www.linkedin.com/in/bryan-birch-a998b11ab/ | **Github:** https://github.com/Shifty-eyed-llama