NICHOLAS BAILLON

Full Stack Software Engineer & Web Developer
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TECHNOLOGIES AND LANGUAGES

Development: React, node.js, HTML / CSS, JavaScript, TypeScript, Blazor, .NET Core, C#, WPF / WCF.
API & Databases: Microsoft SQL Server, T-SQL, RESTful APIs, Swagger, JSON, XML.
Project Coordination: Agile / Scrum, Jira, Confluence, MS Teams, Zoom, Slack, GitHub.
Statistical Software: R Studio, SAS.

SOFT SKILLS

Adaptable | Detail-Oriented | Independent | Collaborative | Communicative | Organized | Problem Solver

WORK EXPERIENCE

Software Engineer   **Vision Government Solutions | Hudson, MA**   **Jun 2021 - Oct 2024**

Worked remotely to develop mass appraisal software for evaluating real property in a fair and equitable manner by IAAO standards. Collaborated with development and QA team members in daily meetings.

Projects

- **Admin Web App**. Developed for high-profile customer. Stored proecedures executed by Windows service at user-specified times. *React, JavaScript, node.js, JSON, API*.
  - Personal Contributions:
    - Designed over two year period as part of small team.
    - Responsible for becoming the React "expert." Designed database schema and general UI layout.
    - Implemented "user audit" logging. Contributed significantly to API and business logic.
- **Data Entry Web App**. Allows users to quickly modify common database fields and save associated photos and documents to a cloud-hosted service. *Blazor, C#, HTML/CSS, JSON, API, T-SQL*.
  - Personal Contributions: Created UI layout during "hackathon" to match client's existing paper forms.
- **Desktop Application**. CAMA software with heavy use of stored procedures and JSON serialization. Success of the software depends on its calculator logic producing consistent values along with new feature development. *WPF/WCF, C#, JSON, XAML, API, T-SQL, SSMS*.
  - Personal Contributions:
    - Implemented cloud-hosted photos, allowing users to upload/download local files to/from an external server hosted by the company as a service.
    - Worked on regression analysis feature, allowing export of data for analysis by statistical software, which can then be imported for use in the calculator engine.
    - Contributed significantly to overhaul of logging systems, allowing users to audit data changes.
    - Daily contributions to feature development, bug fixing, and optimization.

EDUCATION

B.Sc. Computer Science   **Bridgewater State University | Bridgewater, MA**   **Sep 2016 - May 2020**

Primary Major: Computer Science, Secondary Major: Mathematics, Minor: Statistics.

Honors and Awards

- Graduated *summa cum laude*. 3.9 GPA.   May 2020
- Pi Mu Epsilon. National mathematics honor society.   April 2019
- Presidential ROSE Scholarship. Specific to BSU, full tuition and fees paid.   2016-2020

Projects

- Zork-like Text Adventure Game. *C++, OOP*.
- Chatroom Website. *Angular, PSQL, Heroku*.
- Breakout Game. *x86 Assembly*.