

Benjamin Ward

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PROFESSIONAL SUMMARY

Software engineer focused on web development with experience in both government and private industry. Adapts quickly to new environments and challenges. Acknowledged by superiors as a hard-worker who brings value to an organization through technical knowledge and ability to learn new systems. Dedicates a high level of focus to projects from beginning stages until completion.

EXPERIENCE

SOFTWARE ENGINEER - **Daxko** / Birmingham, AL / 2019 - 2020



- Developed a custom, in-house CRM app. Worked across the **full-stack** including a **React** front-end, **.NET** app layer, with **relational and doc db's**.
- Integrated CRM app with **Twilio's SMS API**, allowing users to craft and automate text messaging to reach customers. Developed the SMS text creation/reporting UI's, API integration, and data capture.
- Participated in an **agile** environment. Contributed to stand-ups, ticket grooming meetings, planning sessions, and retros. Presented and demoed new development to external teams during sprint reviews.
- Additional projects included **API development** (with exposures to third parties) and a mobile app.

.NET DEVELOPER - **4M Research Inc.** / Huntsville, AL / 2018 - 2019



- Contributed to the development of several enterprise web applications for a DoD customer. Applications featured **n-tier** architecture, **EF** data access, **MVC** UI layer.
- Deployed code to testing, staging, and production environments. Experience developing on network servers through a virtual machine.
- Served as the point of contact for all things related to Fortify, the organization's security-oriented static code analyzer.
- Co-authored organization's guidelines for compliance with Defense Information Systems Agency (DISA) mandated security criteria.

COMBAT MEDIC – **US Army** – **82nd Airborne Division** / Ft. Bragg, NC / 2015 - 2019



- Provided emergency medical interventions as a first responder for more than 100 high-risk training events.
- Performed physical examinations and presented findings to medical provider in a clinical setting. Assisted with minor surgeries.
- Was the primary authority on medical supplies and equipment for the organization. Managed inventory of medical equipment with a personal responsibility of more than \$1M.
- Jumped out of planes.

SKILLS

- 🔥 : Strong suit!
● : Experienced
● : Comfortable
● : Learning now

Front End

- 🔥 React
- Javascript
- HTML/CSS
- Npm/webpack/babel
- Typescript

Back End

- 🔥 C#
- 🔥 .NET (Core & Framework)
- 🔥 ASP.NET MVC
- T-SQL
- ORM's (Dapper/EF)
- NServiceBus

Hosting/Db's

- SQL Server
- IIS
- AWS: EC2/RDS
- RavenDb
- Windows Server

Disciplines

- REST API Development
- Mobile responsive design
- X-browser design
- TDD

PROJECTS

Personal Site – <https://builtbybenward.com>

A square logo with the letters 'BW' in a serif font, white on a dark gray background.

- Website that I began developing in April 2020 to demonstrate my experience with web development.
- **ASP.NET MVC** app with React front end. Communicates with a separate **.NET Core Web API** / SQL Server for data persistence. A separate API is more than this site needs; I expanded the system arbitrarily for demonstration purposes to resemble a **microservice architecture**.
- I recently migrated portions of the site to **Typescript** just to learn a new js flavor. Also introduced **Redux** and migrated from Bootstrap 3 to **Bootstrap 4**.
- Hosted on **AWS** with **EC2** Windows Server and a SQL Server RDS.
- Additional front-end technologies include: styled-components, React-Bootstrap, sass/scss.
- Planned future work: **Improve Lighthouse** score and introduce Material UI.

Daxko Engage - <https://www.daxko.com/solutions/engage>



- A custom, in-house CRM tailored for nonprofit fitness and community centers. Main project during time at Daxko.
- Integrated with other Daxko applications as well as third party web API's. Personally contributed to integration with Twilio's SMS API. Delivered automated texting feature MVP and deployed to production.

twilio-split-sms - <https://www.npmjs.com/package/twilio-split-sms>



- Minor project I undertook to solve billing calculation related to sms texting.
- Based on text messages' internal segment splitting related to GSM encoding.
- Specifically, this package accounts for Twilio-specific smart encoded characters in addition to the GSM charset.
- The basis of this package was forked from codesleuth's [original split-sms repo](#).

EDUCATION

B.S. HEALTHCARE ADMINISTRATION (2018)

Purdue University Global, Indianapolis, IN



MICROSOFT SYSTEMS AND SOFTWARE ACADEMY (MSSA) (2018)



This program is sponsored by Microsoft to equip selected veterans with the knowledge and skills necessary for a career in programming. Technical instruction is delivered through accredited college courses by Embry-Riddle Aeronautical University. Curriculum includes:

- C#, T-SQL, ASP.NET MVC, cloud computing, Azure Cloud Platform, and other .NET technologies
- Visual Studio, SQL Server
- Experience with industry best-practices such as source-control (git) and test-driven development
- Team-based development
- Experience working with Scrum/Kanban methodologies
- Unit and integration testing
- Experience developing on the full stack, culminating in an individual project where the candidate plans, designs, implements, tests, and deploys his/her own custom web application