

# Benjamin Ward

**Email:** [benjamin.e.ward@outlook.com](mailto:benjamin.e.ward@outlook.com)  
**Phone:** (256) 566-5467  
**LinkedIn:** [linkedin.com/in/benjamineward](https://www.linkedin.com/in/benjamineward)  
**Github:** [github.com/BenjaminEllisWard](https://github.com/BenjaminEllisWard)  
**Website:** <https://builtbybenward.com>



## 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 – 82<sup>nd</sup> 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
- Bootstrap
- Typescript

### Back End

- 🔥 C#
- 🔥 .NET (Core & Framework)
- 🔥 ASP.NET MVC
- T-SQL
- Dependency Injection
- 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>



- 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