

E. Taber McFarlin IV

Software Engineer · Full Stack Developer

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📍 TaberIV

Education

2015 – Current **B.S. Computer Science**, *Stevens Institute of Technology*, Hoboken, NJ.

Major GPA – 3.47, Overall GPA – 3.54

- President of Stevens Game Development Club
- Course Assistant CS511 Concurrent Programming
- Graduation - May 2019

Experience

June 2017 – Current **Software Engineer**, *IBM*, Armonk, NY.

- Designed and developed two applications: Overcast (web dashboard for PaaS metrics) and Kommodore (Kubernetes monitoring tool) for IBM Cloud Dedicated.
- Applications were implemented with React/Redux (front-end) and Express/NodeJS (back-end) and containerized as deployments in Kubernetes.
- PostgreSQL, MongoDB and Redis were utilized for persistent and ephemeral storage.
- Practiced Agile methodology with daily scrums and iteration planning with Trello.

Jan 2017 – June 2017 **Software Engineer**, *OnSight Digital Solutions*, Hoboken, NJ.

- Developed an online service that organizes transaction information from internal APIs to an end-user, utilizing various forms of data visualization.
- Implemented front-end technologies: Bootstrap, D3.js and LESS.
- Undertow Java back-end deployed in AWS, managed MySQL database in DataGrip.

Projects

Academic **Yet Another Messaging Service.**

- Slack-like clone written in Typescript and React, and Electron for the client.
- Socket.io was used for message communications, and MongoDB for persistent storage.

Academic **Stratus.**

- Online Markdown editor web service written in React/Redux.
- MongoDB was used for user data and mappings of files to an Amazon S3 bucket.

Hackathon **Scramble.**

- Collection of fast-paced multiplayer mini-games for the browser, written in React.
- Express.js server pairs clients into Socket.io Rooms and starts a random mini-game between the two clients.
- HackBU Winner - Best Design

Skills

Languages JavaScript/TypeScript, C/C++, Python, Java, Bash, SQL, Go

Web & Cloud HTML5, CSS/Sass, React/Redux, MongoDB, Docker, Kubernetes, Electron

Misc. Tech Git, Linux, Redis, Travis CI, Trello, ZenHub, \LaTeX