

Robert Herley IV

Software Engineer · Full Stack Developer

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Education

- 2015 – Current **B.S. Computer Science**, *Stevens Institute of Technology*, Hoboken, NJ.
Major GPA – 3.91, Overall GPA – 3.78
- Vice President of Upsilon Pi Epsilon (Computer Science Honor Society)
 - Secretary of Stevens Computer Science Club
 - Teaching Assistant for CS146 Intro to Web Development and CS546 Web Programming
 - Dean's List: 2016 - 2018
 - 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 technologies 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