


BRYAN MONTALVAN

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EDUCATION

University of Massachusetts Lowell

Lowell, MA

Bachelor of Science in Computer Science

Aug. 2020 – May 2024

Relevant Courses : Data Structures, Web Development I & II, Assembly Programming, Computer Architecture, Organization Of Programming Languages

TECHNICAL SKILLS

Languages	C, C++, JavaScript, HTML, CSS, exposure to Go, TypeScript, and Python
Web Technologies	React.js, Next.js, Angular.js, exposure to Redux.js, Vue.js, Svelte
Technologies	Git, Docker, Redis, MongoDB, Grafana, Firebase
Developer Tools	Linux, GitHub, VS Code, Vim, Bash, Slack, Jira

EXPERIENCE

Software Engineer Intern

June 2022 – September 2022

Red Hat - Storage

Westford, MA

- Developed and implemented a revamped version of the project's dashboard landing page. One which displays a high level overview of the projects health and metrics with a modern look
- Collaborated with developers on implementing and testing the new landing page, driven using agile methodology
- Used web technologies such as Angular, TypeScript, Bootstrap, and Python to develop the landing-page
- Used testing libraries such as Cypress.js and Jest.js for end-to-end and unit testing

Software Engineering Co-op

January 2022 – June 2022

Red Hat - Research

Westford, MA

- Proposed and developed a term project to improvise storage monitoring our of clusters in a production cloud environment
- Created Grafana dashboards to provide visualizations of deployed clusters' storage on OpenShift
- Utilized ArgoCD to work collaboratively in a GitOps environment using GitHub repositories as our center of truth
- Used technologies such as AWS S3, Kustomize, Prometheus, Thanos.io, Grafana Loki, Gatsby.js and actively participated in code reviews
- Collaborated in doing an overhaul of the project's website. Using technologies such as Gatsby.js, Mantine

PROJECTS

MYR | React.js, Redux.js, MongoDB, Docker

August 2021 – Present

- Leading an undergraduate research project known as MYR, with a team of 4 developers
- MYR is full-stack web-application with the aim of teaching student's K-12 Computer Science concepts using JavaScript and a 3D/VR environment
- Currently leading/developing a new release of MYR

SharedDaily | JavaScript, Next.js, Redis-OM, AWS

April 2022 – Present

- Created a small web-application where users can upload their car and share it with others
- The frontend is done using Next.js and the Redis-OM(Object Mapper) to query stored car objects.
- The backend is done using Redis as the primary database with JavaScript as the backend language

ACTIVITIES

KCS Ambassador - Attended admission events and spoke as a panelist for the UML College of Science
UML Powerlifting Club - Club Treasurer and club athlete
UML Cybersecurity Club - Attended weekly and helped to lead the club as an e-board member