Marc Seth Bernstein

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WORK EXPERIENCE

NORTHEASTERN UNIVERSITY ITS | BOSTON MA   Sept. 2021 - Present
Research Software Engineer

- Member of the Research Computing team
- System Admin for the HPC research cluster Discovery:
  - Developed microservices and automated ci/cd pipelines for the Discovery Cluster/RC Team/Northeastern Researchers
- Consulted with researchers on topics of utilizing the resources on an HPC system as well as how to use the Discovery HPC cluster

JOHN HANCOCK LIFE INSURANCE COMPANY | Boston MA   June 2020 - Sept 2021
Full Stack Software Engineer

- Member of the START rotational program
- Underwriting Squad Rotation:
  - Updating and developing backend APIs and Services using technology such as .NET Core, RabbitMQ, Kafka, Docker and Azure Kubernetes
  - Development and production support for distributed Web Applications
  - Development and production for Java Spring-Boot and React.js Web Applications
  - Updating and maintaining SQL Databases

FIDELITY INVESTMENTS | Boston Ma   June 2019 – August 2019
Applied Technology (FCAT) Technical Intern, Fidelity Center

- Part of Blockchain incubator
- Projects on Bitcoin management and proof of concepts with emerging tech such as Zero Knowledge Proofs

BOSTON UNIVERSITY | Boston MA   January 2018 – May 2020
Course Assistant (CA)

- For intro computer science classes: grade assignments, hold office hours, and instruct labs sections

PROJECTS

Match Display | Tools Used: Go, Go/Gin, React.js, TypeScript, Docker, Heroku, Github Actions

- Developed a Web App utilizing the https://challonge.com/ api to display all upcoming matches for multiple running tournaments

Career Cabin | Tools Used: React.js, JavaScript, TypeScript, PostgressSQL, TypeORM, Express.js

- A Web App that provides an easier way for prospective employees to easily share resumes at job fairs or in interviews. Helping moves resumes to a completely digital platform

Raft | Tools Used: Go

- Developed an implementation of the Raft Distributed Consensus Algorithm

EDUCATION

Boston University, Boston MA   Graduated May, 2020
Bachelor of Arts
Major: Computer Science

SKILLS

Programming: proficient in Python, Typescript, Go
                    experience with Rust, Java, C#, JavaScript, SQL, C/C++
Tools/OS: proficient in Git, Bash Terminal, Linux, Windows, Docker
            experience with MacOS, MongoDB, Node.js, TypeORM, GORM, Kubernetes, Azure Kubernetes, JavaSpringBoot, RabbitMQ, .NET Core, Express.js, Github Actions, Concourse CI, Harbor Registry