
EDUCATION**University of Massachusetts Amherst** (Commonwealth Honors College)

Amherst, MA

GPA: 3.818 B.Sc. Computer Science | Minor in Information Technology

Sept 2017 – May 2021

WORK EXPERIENCE**MassMutual Life Insurance Company**

Springfield, MA

Software Development and Engineering Intern

Jan 2021 – Present

- Program and test a Kafka Consumer that feeds data to Couchbase.
- Create APIs that communicate with AWS Aurora PostgreSQL with Flask.
- Research and create documents to decide which technology to use based on our requirements.
- Use Git for source control to manage, test, and review pull requests.
- Complete tasks in the Agile workflow.

Junior Developer

Aug 2020 – Jan 2021

- Designed and developed SQL queries to populate relevant form data for users.
- Tested and documented API calls with Postman and Zephyr.

Application Developer

Jun 2020 – Aug 2020

- Developed business rules, microservices, applications, and forms using BizNuvo.
- Presented and demonstrated BizNuvo's role within the business to senior executives.

L3 Harris Technologies

Northampton, MA

Systems Engineering Intern

May 2019 – Aug 2019

- Upgraded existing signal-to-noise ratio software for versatility, ease of use, and applied bug fixes.
 - Maintained documentation for software and equipment specification through IBM DOORS.
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PROJECTS*MassMutual Kafka Streaming POC*

- This is a web interface designed to be an event driven audit trail to allow users to view and send messages across the trail. It is built to serve as a POC for a Kafka streaming system.
- Technologies involved: AWS, Kafka, Python/React backend and frontend, NoSQL database, debug logging, and Selenium for automated end-to-end testing.

MassMutual WPO Initiative

- The Workplace Platform Optimization is an initiative to build a world class recordkeeping system by unifying existing systems and decommissioning legacy platforms.
 - BizNuvo technology is the solutions tools for WPO to centralize business rules for easy management with the use of rules, microservices, applications, and forms.
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SKILLS

- Programming Languages: Python, SQL, C, C#, Java, JavaScript, R
 - Development Tools & Environments: Git, Linux, Windows, Vim, AWS, Kafka, Terraform
 - Frameworks, Libraries & Databases: PostgreSQL, Microsoft SQL Server, Couchbase, Flask
 - Soft Skills: Strong interpersonal skills, effective team player, responsible and driven, eager to learn and improve.
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COURSES

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|------------------------------|----------------------|-----------------------------|
| • Artificial Intelligence | • Data Management | • Game Programming |
| • Software Engineering | • Search Engines | • Information Systems |
| • Computer Networking | • Operating Systems | • Intro to Machine Learning |
| • Human Computer Interaction | • iPhone Programming | |