

# Lea Boyadjian

## Software Engineer, Web and Mobile Developer

Seeking full-time roles in **Software Engineering, Backend Development, Frontend Development, Mobile Development** starting immediately.

Available for remote opportunities anywhere & hybrid/in-person in New York City.



Portfolio



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New York City, New York

## WORK EXPERIENCE

### Software Engineer, Prudential Financial

Newark, New Jersey | June 2022 - Present

- Developed a centralized dashboard for Content Management and Service (CMAS) using **React**, **Java**, and **MongoDB** for reporting, process visualization, and issue resolution for efficient and faster internal cross-functional troubleshooting efforts.
- Drove **CI/CD pipeline** adoption for the CMAS Dashboard by configuring **Jenkins** for automated continuous integration, publishing builds to Artifactory, and ensuring deployment readiness, which **enhanced release efficiency**.
- Contributed to the retirement of the on-prem CMAS application by modernizing it to **AWS** Cloud as US Business Document Services (USBIDS), which **enhanced performance** and **operational efficiency**.
- Built a **Java API** to monitor events across the USBIDS application by capturing timestamps and key fields for a new monitoring dashboard, which reduced troubleshooting time. Led testing and deployment across all environments (dev, QA, stage, and prod)
- Deployed **AWS Lambda code** to streamline payload processing by integrating with S3 for easier data movement and automation.

### Software Engineer Intern, The Aerospace Corporation

El Segundo, California | June 2021 - August 2021

- Deployed **C++ code to an Arduino Due** for a **stepper motor controller to perform scanning motion with embedded measurement trigger** to allow multiple precision measurements along a non-stopping scanning motion to eliminate the need for a data-acquisition card.
- Developed the serial interface to define motion parameters and execute the motion control code within the Arduino interrupt loop.

### Software Engineer Intern, The Aerospace Corporation

El Segundo, California | June 2020 - August 2020

- Developed a simulated **X-ray detector** using **Python** by applying Nondestructive Evaluation techniques (X-Ray Computed Tomography), and built a **user interface** with **Tkinter**.
- Focused on frontend technologies to visualize X-rays from given datasets to feed into the Python based user interface which then generated results of the scans.

## EDUCATION

### Rochester Institute of Technology

Bachelor of Science, Web & Mobile Computing

Rochester, New York

August 2018 - May 2022

**Concentrations:** Mobile Development, Wearable and Ubiquitous Development, Data Mining and Exploration | **Minor:** Gender Studies

**Honors:** RIT Founders Merit-based Scholarship, Dean's List

#### Involvements and Societies:

- Resident Advisor** - Trained bi-annually to support residential students as a first-line response for crisis management, mental health needs, resource referrals, and community engagement.
- Women in Computing** - Collaborated with diverse communities to enhance technical skills.
- Google Developer Student Club** - Executive Board Member of the first RIT chapter of GDSC.
- Area Office Assistant** - Supported coordinators of Deaf/Hard-of-Hearing community.

## SKILLS

### TechStack

Java, Python,  
JavaScript, React,  
Spring boot, Node.js  
Docker, AWS, Jenkins  
MySQL, MongoDB,  
PostgreSQL

### Certification

AWS Cloud Practitioner

### Projects

#### Mass Vaccination

[HTML/CSS/JS/](#)  
[MySQL/Docker](#)

Developed a service that state counties can use to create and oversee mass vaccination campaigns.

#### Whack-A-Mole

[Java/JavaFX](#)

Recreated the classic game of Whack-A-Mole with the use of socket programming and GUI

#### Interactive Hearts

[JS/p5.js](#)

Created a website with color changing 8bit interactive hearts that "beats" to a music's rhythm.

#### Budget Tracker

[React/Material-UI](#)  
[Express/PostgreSQL/Docker](#)

Built a budget tracker website to manage personal finances