




# THAD TAYO

☎ 732-762-3647 ✉ [thadtayo@gmail.com](mailto:thadtayo@gmail.com)  [linkedin.com/in/thad-joshua-tayo](https://www.linkedin.com/in/thad-joshua-tayo)  [github.com/thadtayo](https://github.com/thadtayo)  [thadtayo.com](https://thadtayo.com)

## Education

---

### Rutgers University

*Bachelor's in Computer Science and Statistics / Mathematics*

**GPA: 3.79**

*New Brunswick, NJ*

### Certificates

*AWS Certified Solutions Architect Associate*

## Experience

---

### Capital One

*Senior Software Engineer*

*Feb. 2023 - Present*

- Contribute to Capital One incident management platform, developing in **8 TypeScript, Python, & Java microservices** and a **React / React Native + GraphQL** web / mobile application with a **Neptune Graph** database
- Led and architected **3 major features** that benefits **55,000+ customers**, reducing time for incident detection and engagement by **43%**
- Championed team's chaos engineering initiative, engineering new solutions to **reduce regional failover recovery time from 15 minutes to 6.5 minutes**
- Presented product demos and impact analysis to **100s of internal and external stakeholders and end users**
- Engage in on-call support to triage and remediate production incidents, working with external teams to minimize impact and downtime

*Associate Software Engineer*

*Feb. 2022 - Feb. 2023*

- Engineered features for credit card fraud team on **7 SpringBoot microservices** to handle all of Capital One's potentially fraudulent transactions
- Led the architecture and deployment of serverless automation tool to **reduce analysts' manual work by 16 hours weekly**
- Created process for remediating vulnerabilities, **reducing time spent on vulnerability remediation by 20%**
- Founding engineer of patented internal vulnerability remediation application, presenting project to **~500 Capital One engineers**

### Bloom Technologies LLC — <https://bloomtechnologies.co>

**Software Company**

*Founder*

*Jan. 2021 - Present*

- Consult with small businesses to deliver web and app development, and launched a B2B software solution for startups
- Led a team of 3 engineers and designers to create Bloom Bookings, a B2B software, as well as **12 small business websites and internal applications**
- Provide customer support for several small businesses in software and website development, **responding to ~10 inquiries weekly**

*Bloom Bookings — <https://bloombookings.co>*

- Built scheduling infrastructure API and web application with **Next.js, MySQL, AWS SQS and Lambda, and Stripe**, enabling startups to automate scheduling needs while reducing development time
- Created highly-available APIs and webhooks to serve **100s of appointments daily**, and documentation for end users
- Implemented **Redis caching**, payment processing, production-ready logging, product analytics dashboards, and customer notification systems
- Supporting **5 startups and ~600 Monthly Active Users**, conducting user interviews to align product roadmap

### Rewind — <https://tryrewind.co>

**Sports Film Review Tool**

*Founder*

*Nov. 2023 - Present*

- Designed and developed platform for coaches to tutor athletes in sports through video conferencing using **Next.js, Clerk Authentication, TailwindCSS, and MySQL**
- Engineered an optimized **WebRTC** solution to stream video and drawing to all participants while maintaining low latency and high quality across users
- Currently supporting 10 coaches and **50 Monthly Active Users** and serving **~30 sessions monthly**
- Engage in marketing planning and networking, garnering a social media following of **2000 users**

## Technical Skills

---

**Languages:** JavaScript/TypeScript, Python, Java, SQL, HTML/CSS, C

**Developer Tools:** AWS, Docker, MySQL, PostgreSQL, NoSQL, Neptune Graph, Snowflake, MongoDB, Apache Spark, Hadoop

**Technologies/Frameworks:** Node.js, Next.js, React, React Native, Flask, Django, SpringBoot, Git