Thad Joshua Tayo

thadtayo@gmail.com | 732.762.3647

EDUCATION

RUTGERS UNIVERSITY NEW BRUNSWICK
Bachelor's in Computer Science and Statistics/Mathematics
Jan. 2022

ACHIEVEMENTS

AWS Certified Solutions Architect Associate •
1st Place Rutgers University Hackathon •
Rutgers University Dean's List

LINKS

Github:// **thadtayo**
LinkedIn:// **thad-joshua-tayo**

COURSEWORK

Design & Anal. of Algorithms
Systems Programming
Database & Info. Management
Numerical Anal. and Computing
Data Structures
Computer Architecture
Intro to Discrete Structures I
Intro to Linear Algebra
Multivariate Calculus
Differential Calculus
Intermediate Statistical Anal.
Math. Theory of Statistics

SKILLS

PROGRAMMING
Java/Spring Boot •
Python • C/C++ • C# •
JavaScript/Node.js •
TypeScript • Go • REST APIs •
SQL • Flask • Django

TOOLS
AWS • Apache Spark • Hadoop •
VSCode • Eclipse • Docker •
Git and GitHub • Postman •
MySQL • NoSQL • PostgreSQL •
MongoDB • Heroku • Vim • Linux

INTERESTS

Hackathons • Basketball •
Photography• Music Production •
Gaming

EXPERIENCE

CAPITAL ONE | Senior Associate Software Engineer
Feb. 2022 – Present | McLean, VA

- Work on Capital One's internal incident management platform, contributing to a React web application, an Apollo GraphQL layer, many internal and external APIs in Python Flask and Node.js, and a Neptune graph database using Gremlin Query Language
- Previously worked on credit card fraud team to architect and develop fraud response microservices for all Capital One credit card customers
- Engineered scalable features for high-impact microservice applications, handling thousands of transactions daily in Java, Spring Boot, Kafka, and AWS
- Led an internal fraud intent, architecting the solution and deploying the serverless solution in production while coordinating this intent with two external teams, impacting hundreds of end users daily
- Contribute to on-call support, performing incident management and resolution through debugging with Splunk logs and AWS console
- Contribute to internal vulnerability visualization dashboard utilized by over 100 teams with enterprise-level stakeholders and presented to hundreds of engineers

BLOOM TECHNOLOGIES LLC | Owner/Founder
Jan. 2021 - Present | Howell, NJ

- Run a software company developing B2B software solutions, https://bloomtechnologies.co
- Lead a team of multiple engineers and designers to work concurrently in order to deliver high quality software solutions in a fast-paced environment
- Architected and developed Bloom Bookings (https://bloombookings.co), an appointment scheduling software for small businesses, built with Next.js and Typescript and MySQL with Prisma & Planetscale
- Orchestrated several systems within Bloom Bookings, including Stripe for payment processing, production-ready logging, product analytics dashboards, and customer notification systems with Twilio, SendGrid, & AWS Lambda

COLGATE-PALMOLIVE | Application & Software Development Intern
Sep. 2021 – Dec. 2021 | Piscataway, NJ

- Spearheaded the design & development of an extract, transform, load (ETL) system that migrates data from Veeva Vault to PostgreSQL using CRON jobs
- Designed database schema and presented to stakeholders, communicating with senior engineers across teams to ensure compatibility with legacy systems
- Built ETL system with Flask to be deployed to Google Cloud Platform alongside Kubernetes for scalability

CAPITAL ONE | Software Engineer Intern
Jun. 2021 – Aug. 2021 | McLean, VA

- Worked on an agile Scrum team to design and implement a data visualization dashboard for stakeholders with cloud technologies
- Engineered scalable data pipelines with distributed system utilizing AWS, SQL, Apache Spark & PySpark, Snowflake, and Databricks
- Created analytics dashboard with Amazon Quicksight to present and report findings to stakeholders
- Collaborated on a side-of-desk full-stack web application project to generate dynamic data visualizations using React, Node.js & Express, and MongoDB