

TAM NGUYEN

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Top Secret/SCI Clearance

EXPERIENCE

Altamira Technologies

Full-stack Software Engineer

McLean, VA

Jun. 2023 – Present

- Contributing to the development, deployment, and maintenance of front-end and back-end services for Amazon's Kuiper project, ensuring high standards of code quality, security, and scalability for applications and services
- Developed and implemented 15+ key features, which were successfully demonstrated to stakeholders and customers
- Debugged and addressed issues in product features, resulting in improving application performance by 20%
- Created and maintained integration tests, developed deployment pipelines, and implemented monitoring solutions to ensure system reliability, scalability, and performance optimization
- Technical Exposure: Java, Amazon Web Services (DynamoDB, MemoryDB for Redis, S3, SQS, SNS, Lambda, API Gateway, VPC, Cognito, Route 53, CloudFront, Secret Manager, Cloud Development Kit, CloudFormation, CloudWatch, CRUX), React, JavaScript, TypeScript, HTML/CSS, Python, REST APIs, Junit, Jest, Cypress, Git, Amazon Linux 2

Adobe

Software Development Engineer Intern

San Jose, CA

Jun. 2022 – Aug. 2022

- Developed, implemented and shipped 5+ new user-facing features, enhancing user experience on Adobe Marketo platforms
- Identified, debugged, and addressed 5+ issues in product features, while maintaining and improving existing features across Adobe Digital Experience platforms services
- Collaborated with cross-functional teams to deliver comprehensive solution designs that align with business and user needs.
- Technical Exposure: ReactJS + REDUX, JavaScript, TypeScript, HTML/CSS, Jest, Git, Jenkins

Citi Group

Software Development Engineer Intern

Irving, TX

Jun. 2021 – Aug. 2021

- Developed and implemented APIs for Citi's Developer Hub portal, and tested deployed APIs with Postman
- Integrated Citi's APIs to allow third-party access a full utilization of Citi's Developer Hub
- Technical Exposure: Java, AWS S3, DynamoDB, Lambda, API Gateway, Junit, Mockito, Postman

PROJECTS

AI Expense Tracker

- Designed and built a platform to help users achieve personal financial goals by tracking daily spending via visible charts and providing summary alerts via SMS
- Applied the Machine Learning recommendation algorithm to predict user's money flow based on the said data
- Implemented secure user authentication for the application using SSO and Google's two-factor Authenticator in Python
- Technical Exposure: Python, Flask, SQLite, PostgreSQL, React, JavaScript, HTML/CSS, Twilio API, Heroku

DACO Airfield Management

- Worked with a Georgia Tech's professor in a team of 5 members to design and build an Android mobile application that allowed the U.S. Army to perform appropriate operations in the airfield
- Utilized FIFO, SJF, Priority Queue and other data structures and algorithms to implement a bump plan that optimized the prioritization and reallocation of personnel and cargo loading into functional aircrafts in a timely manner
- Technical Exposure: Java, Android Studio, Kotlin, Firebase, Junit, Git, Figma

Travel Plan

- Designed and built a serverless application to help users in creating detailed itineraries by fetching from the OpenAI API
- Performed automated API testing with Postman and deployed the app via Azure Functions
- Technical Exposure: Python, Bubble.io

SKILLS

- Technical Skills: Java, React, JavaScript, TypeScript, Python, Amazon Web Services (AWS), Junit, Jest, Cypress, CI/CD
- Developer Tools: Git, IntelliJ, VS Code, Jira, Agile
- Certifications: AWS Certified Developer (Aug. 2024 – Aug. 2027), LinkedIn React.js (Aug. 2022)

EDUCATION

Georgia Tech University, College of Sciences

Bachelor of Engineering, Major in Computer Science

Atlanta, GA

2019 – 2023

- Coursework: Data Structures & Algorithms, OOP (Java), Operating Systems, Web Development, Intro to Database
- Honors: Georgia Tech GHC Scholarship Recipient and Attendee (2020)