TAM NGUYEN

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EXPERIENCE

Altamira Technologies   Mclean, VA
Full-stack Software Engineer   Jun. 2023 – Present
- Working with Amazon team on Kuiper project, developed and implemented 50+ new features across the front-end and back-end layers, ensuring code quality, security, scalability, and reliability for applications and services
- Maintaining large-scale applications and services by continuously monitoring system application and addressing potential issues to ensure stability
- Collaborating with Amazon team and other key stakeholders to define feature requirements, integrating customer metrics and feedback to optimize feature designs
- Debugging and addressing issues in product features, resulting in improving application scalability and reliability by 20%
- Technical Exposure: Java, Amazon Web Services (DynamoDB, MemoryDB for Redis, S3, Lambda, API Gateway, VPC, Cognito, Secret Manager, Route 53, CloudFront, Cloud Development Kit, CloudFormation, CloudWatch, CRUX), React, JavaScript, TypeScript, HTML/CSS, Python, Junit, Jest, Cypress, Git, Amazon Linux 2

Adobe   San Jose, CA
Software Development Engineer Intern   Jun. 2022 – Aug. 2022
- Developed and implemented 5+ new front-end features, enhancing user experience on Adobe Marketo platforms
- Identified, debugged, and addressed 5+ front-end issues, 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   Irving, TX
Software Development Engineer Intern   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
- Leveraged Machine Learning recommendation algorithm to predict user's money flow based on the said data
- Implemented secure authentication for the application by utilizing SSO and Google's two-factor Authenticator in Python
- Technical Exposure: Python, Flask, SQLite, PostgreSQL, React, JavaScript, HTML/CSS, Twilio API, Heroku

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

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

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   Atlanta, GA
Bachelor of Engineering, Major in Computer Science   2019 – 2023
- Coursework: Data Structures & Algorithms, OOP (Java), Operating Systems, Web Development, Intro to Database
- Honors: Georgia Tech GHC Scholarship Recipient and Attendee (2020)