Kevin Tang

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EXPERIENCE

Software Development Engineer
Amazon Web Services

10/2024 - Present
Herndon, VA

- Foundational Security Team

Associate Software Engineer
Capital One

02/2024 - 10/2024
McLean, VA

- Engineer on API/Infrastructure team enabling customers to query/add/update/delete their external bank accounts used by virtually all 100 million customers.
- Deployed reliable and scalable application infrastructure/service in AWS EC2 through a CI/CD pipeline.
- Contributed towards efforts to migrate from EC2 to fargate serverless infrastructure, reducing excess compute spend and scaling times.
- Engaged in cross team support, splunk log monitoring, problem diagnostic, and failover during prod support.
- Developed and deployed features to enable capabilities for other teams' business needs.
- Increased automated testing coverage by writing live dependency and component tests.

Software Engineer Intern
Capital One

06/2023 - 08/2023
McLean, VA

- Created a serverless data transform for all Capital One website users' clicks (1m+/day) to curate their ad profile.
- Overhauled existing batch process to reduce transform time from two days to two hours.
- Used AWS Lambda with Snowflake enrichment to process SQS streaming data and stored user ad profiles on DynamoDB.

Teaching Assistant
University of Maryland

08/2022 - 12/2023
College Park, MD

- Introduce core and advanced patterns in algorithmic leetcode style coding problems.
- Teach lectures, grade homework, write problems, and give 1-on-1 mock interviews.

Software Engineer Intern
Optum

06/2022 - 08/2022
Washington, D.C.

- Saved engineers 100+ hours a year by developing a full stack application to automate client application onboarding to Optum's Aikyam identity platform in a team setting.

EDUCATION

University of Maryland
Bachelor of Science, Computer Science and Mathematics (Statistics)

College Park, MD
December 2023

- GPA: 3.65
- University Honors Program, Dean's Scholarship

PROJECTS

Temphouse | *Technologies used: React JS, TypeScript, Python Flask, Mapbox API, HTML/CSS*   04/2023
- Winner of CoStar Group's "Best Use of Real Estate" award at Bitcamp 2023
- One stop shop solution for comparing company office locations and housing in those areas

ByteLands NFT | *Technologies used: React JS, Solidity, Node JS, Hardhat, IPFS, HTML/CSS*   04/2022
- All in one tool for users to generate NFT art, deploy and showcase tokens

TECHNICAL SKILLS

Certifications: AWS Certified Solutions Architect- Associate
Programming Languages: Java, Python, Swift, JavaScript, C, C++
Frameworks and Technologies: React, Spring Boot, Docker, Flutter