Adrian Bao

💼 Experience

Software Development Engineer   **Feb 2021 – Present**
Amazon
- Collaborated with a team of engineers managing 5+ Tier-2 services & developing seller-facing features & platforms such as Seller Forums, Seller News & Seller Mobile
- Designed a self-service Newsletter automation system that helped reduce Seller Newsletter creation-time by ~80%
- Implemented an automated moderation tool for Seller Forums that removed the need to manually search for posts requiring moderation & instead automatically scanned for posts meeting custom criteria & creating moderation cases out of any matches
- Designed the admin configuration system for the new Seller Forums experience, which is responsible for testing, deploying & synchronizing configuration changes across the consuming microservices
- Implemented critical APIs & asynchronous workflows supporting production loads on Seller Forums, Seller News, Seller Mobile & Seller Polling
- Designed an image processing library supporting uploads, lifecycle management & image validations using Amazon Rekognition
- Drove communications with Product Managers, stakeholders & direct customers to determine & refine requirements to address the user's needs

Software Development Engineer Intern   **May 2020 – Aug 2020**
Amazon
- As the end-to-end project owner, developed a serverless auditing tool serving as a Content Management System for content published to Amazon Seller Central
- Designed & deployed the service's infrastructure including an OIDC-secured React SPA, AWS Lambda REST Backend with RBAC workflow integration

Software Engineering Intern   **Jan 2019 – May 2020, Aug 2020 – Dec 2020**
CyVerse
- Independently designed & developed event-driven microservices following the hexagonal architecture design pattern
- Implemented the CLI & built out new workflow definitions using Golang for the Kubernetes-based PaaS used for Bioinformatics & Astronomical research
- Designed & developed Dockerized deployments of the CyVerse User Portal & Home Website configurable for both development & production environments

Software Engineering Intern   **May 2019 – Aug 2019**
Garmin International
- Refactored the Router Performance Test to mitigate result variability & produce substantiated results to track the routing algorithms performance
- Optimized the Key Performance Indicator Tests with new reporting features & processing improvements to accelerate data compilation time by ~90%

Freelance Software Developer   **Aug 2018 – May 2019**
Self Employed
- Developed custom data & assets retrieval software in Python to automate processing high volumes of data & expedite processing of various tasks

👤 Personal Info

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GitHub
github.com/BaoAdrian

Portfolio
www.adrianbao.com

🖐 Skills

- Java
- Python
- Golang
- JavaScript/TypeScript (React)
- Cloud (Docker, Kubernetes, Terraform, Istio, NATS)
- AWS (DynamoDB, S3, Lambda, EC2, SQS, SNS, IAM, AppConfig, CloudFormation, EventBridge)
- Git
- CI/CD
- OAuth/OIDC
- Scrum
- Mentorship
- Training/Onboarding

🎓 Achievements

- Earned marks of 'Exceeding the highest standards' during my 1st year at Amazon
- Received the SPCE Organization's Coaching Award in Q1 2022 voted on by my peers
- Successfully mentored & onboarded 10+ engineers
- Received the Outstanding Senior Award December 2020
- Graduated Magna Cum Laude
- Received 2nd place at HackArizona 2020 for our Alexa-based Travel Assistant

🎓 Education

Bachelor of Science

Computer Science

University of Arizona, Tucson AZ

2016 – 2020