Benjamin Tubbs

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SUMMARY

Full-stack software engineer with a strong record of owning and delivering high-impact platform features end-to-end. Independently designed, implemented, and launched multiple systems with 85–97% user adoption, spanning backend APIs, data models, infra and user-facing workflows. Proven at improving performance, reliability, and observability of high-traffic services, proposing and executing new initiatives, and taking over complex projects to deliver on schedule.

EXPERIENCE

Software Engineer: Amazon Inc - Santa Clara, CA | July 2022 - Current
Internal Audit (SDO)
- Independently delivered multiple platform features with 85–97% adoption, owning design, implementation, and launch; features contribute to 35%+ of the top 50 API calls on a 16 engineer team
- Designed and led implemention of Feature Flags, Approvals, Release Notes, and Ideas systems, including one main quarter deliverable taken over from a senior engineer and shipped on schedule
- Proposed, designed and built a Usage Metrics Dashboard used for adoption tracking, planning, and decision-making by the team and leadership
- Optimized Postgres usage for high-traffic APIs, reducing latency by 87% and 67%, introduced caching to stabilize external service calls, added request-scoped timers, slow query monitoring dashboard, and enhanced integration testing using OpenAPI client generation, retries, and exponential backoff
- Designed and built reusable React components including a generic view-stack for wizards and tutorials, reusable hooks for approval states, multiple forms, graph, tables, etc
- Proposed and implemented a NextJs based BFF framework standardizing API clients, error handling, logging, CloudWatch metrics, and response contracts; eliminated ad-hoc request logic and improved frontend reliability, developer velocity and made returns consistent, and reduced incidents

Amazon Fraud Detector (AWS)
- Built and deployed systems to back up customer data prior to permanent deletion, enabling GDPR compliance for an S3-based data lake; designed workflows to safely process existing customer data at scale
- Designed and launched CI/CD pipeline monitoring that surfaced key operational metrics (e.g., operator intervention rates, percent time blocked), improving deployment visibility and reliability
- Contributed to customer-facing data validation APIs by implementing targeted alarms and paging thresholds, enabling rapid detection of ingestion issues and reducing time to response
- Drove operational excellence through on-call ownership, production bug fixes, comprehensive unit, integration, and end-to-end testing, and resolution of AppSec findings in collaboration with senior engineers and PMs

Software Engineer: Apple (Contract through InfoSys) - Sunnyvale, CA | Aug 2021 - June 2022
- Designed and implemented AWS Lambda functions to extract data from Oracle, transform it, and load it into Elasticsearch clusters
- Built and deployed backend APIs serving product data on Apple.com

Web Developer: Cayuga Information Systems - Martinez, CA | Mar 2019 - July 2021
- Designed and built custom websites for small-business clients like real estate, veterinary, etc

EDUCATION

Master's Certificate in Database Management Systems: UMBC, MD | Jan 2022 - Nov 2022
Master's Certificate in Algorithms and Data Structures: UC San Diego, CA | Jan 2021 - Sept 2021
Certificate in Data Analytics: UC Berkeley, CA | Jan 2021 - Jul 2021
Bachelor of Science Computer Science: University of the People, CA | Jan 2019 - Dec 2020
Bachelor of Arts in Linguistics: University of Hawaii at Hilo | Sept 2008 - Dec 2010