Austin Brown

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EDUCATION

Arizona State University	Tempe, AZ
Bachelor of Science in Computer Science	*Aug. 2019 – May 2023*
Minor in Spanish	*GPA: 4.0*

EXPERIENCE

Amazon — Summer 2022
Software Development Engineer Intern — *Tempe, AZ*

- Enhanced an internal CMS to capture and deliver document history data to users.
- Re-architected NoSQL data model for auditable events to facilitate OLTP-type querying at a document level.
- Designed an interface to view and retrieve audit data, and implemented this interface into an existing React-Redux based web application.
- Maintained close communication with stakeholders and customers to ensure satisfaction with project deliverables.

Amazon — Summer 2021
Software Development Engineer Intern — *Tempe, AZ*

- Expanded an existing performance auditing tool to worldwide marketplaces, increasing page performance visibility by upwards of 790%
- Designed and developed a custom search-data analysis service, granting stakeholders meaningful quantitative and qualitative insight into search engine performance.
- Implemented a full-stack internal dashboard to aggregate newly-created BI tools and distribute performance metrics to worldwide marketplace owners.

Republic Services — June 2020 - May 2023
Apprentice Salesforce Developer — *Scottsdale, AZ*

- Contributed to a 20% increase in call center efficiency through deployment of custom Salesforce Lightning web components.
- Improved existing on-boarding process documentation to reduce time and complexity associated with on-boarding new developers.
- Assumed team's ScrumMaster role for several months, leading the team through Daily Stand-up meetings and Spring ceremonies.
- Performed QA analysis for completed user stories using industry-standard qTest software.

PROJECTS

Automated YouTube Shorts Video Creator — December 2022

- 100% cloud-native serverless infrastructure using AWS SAM infrastructure-as-code constructs.
- Uses reddit.com API to scrape suitable text-based posts on automated or ad-hoc basis.
- Generates TTS content with AWS Polly, and automatically edits content into a video using ffmpeg & Movie.py
- AWS Step Functions used to orchestrate the execution of several Python 3.7 Lambdas.

Repurpost.com Mobile App — May 2023

- Created an cross-platform React Native mobile app for a Spain-based marketing startup.
- Implemented a custom JWT authentication system to gate user access within the app.
- Maintained look & feel of existing web application while translating functionality into a mobile platform.
- Project completed for my Senior year ASU Capstone project.

TECHNICAL SKILLS

Languages: Java, Javascript, Python, C, C++, C#, Apex
Frameworks: React, Redux, AWS CDK/Cfn, .NET/WCF, Salesforce Lightning, Mockito, PyTest, JUnit
Services: Lambda, DynamoDb, S3, API Gateway, AWS Step Functions, Quicksight, Salesforce
Developer Tools: Git, IntelliJ, VS Code, Postman, Visual Studio, Eclipse, LaTeX
Coursework: Data Structures & Algorithms, Object-oriented Programming I & II, Computer Org & Assembly, Software Engineering, Theoretical CS, Operating Systems, Programming Languages I & II