Work Experience

Software Engineer II Payments team	Amazon Seattle, WA	Nov 2022–Present
 Designed and built a new imp application clicks for Amazon Kinesis and Batch to ingest da onboarding times from 2 mon company 250K annually. Devised a new dynamic linking links would be configured, sto decrease the time needed to the current data model to sup types that will unblock campa Designed and built the data in reduced monthly hardware co acquisitions by 15% for 10+ cl 	ression logging service to record advertisement Payment products which receive more than 50 ta in near real time, which solved a long term iths to 2 weeks. Refactored the existing impress g architecture plan to determine the long term ired, and shared in the Payments Org. Remode launch new campaigns and the probability of port flexible schemas allowing Product teams ign launches expected to generate 130+ million igestion and incentive assignment tools which osts from \$10K to \$2K. Reduced the cost per a ients through this launch.	nt views, landing page hits, and OK TPS worldwide. Leveraged AWS scaling bottleneck and reduced ssion logging workflow to save the m vision for how credit card application eled the existing configuration pattern to a misconfiguration by > 80%. Expanded s to configure more complex campaign on dollars annually. n optimized the preprocessing step and cquisition by 20% and increased
Software Engineer I Payments team	Amazon Seattle, WA	Feb 2021–Nov 2022
 Served as the Black Friday/Cyl runtime services and depende Payment Ad rendering. Identifi advertisement rendering syste tickets and services handling > Built a lightweight and scalabl determining a customer's elig configuration service by 10x, so the team, updating our data t 	per Monday Peak Readiness Lead for a team of encies, conducting load tests, and performing fied and mitigated two scaling issues that wou em. Lead team through a peak event which re > 10 billion requests worldwide during Black F e service using AWS Lambda, API Gateway, an ibility for a particular ad. This service reduced saving \$5K in monthly hardware costs. Spearh ype modeling and making it available for non-	of 10 and was responsible for scaling audits across all facets regarding ald have caused a major impact to the sulted in no major customer impacting riday/Cyber Monday. Ind DynamoDB to provide data for the need to scale the current eaded the adoption of the Smithy IDL on -Java languages.
Software Engineering Intern Payments team	Amazon Seattle, WA	Summer 2020
 Headed migration from Spring team. Enhanced functionality Implemented a new testing fr 	ς to React on an internal analytics tool for the and UI of the analytics tool to automate the ρ amework (JEST) to improve debugging and ma	Payment Products Machine Learning process of adding new model types. aintainability.

Education and Certifications

• B.Sc. Computer Science & Statistics, University of North Carolina, Chapel Hill.

Technologies and Languages

- Languages: Java, Python, Typescript, Javascript, HTML, CSS, SQL, C
- Technologies: AWS, Node, Docker, Git
- Frameworks: React, Spring, Dagger, jQuery

2017-2020